

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.43
7752
Grow Your Own Food! EAT WHAT YOU CAN AND
CAN WHAT YOU CAN'T

See our Special Offer below

FARMER SEED AND FARIBAULT
NURSERY CO. MINNESOTA 1940

Request

COLLECTION for
the Home Garden

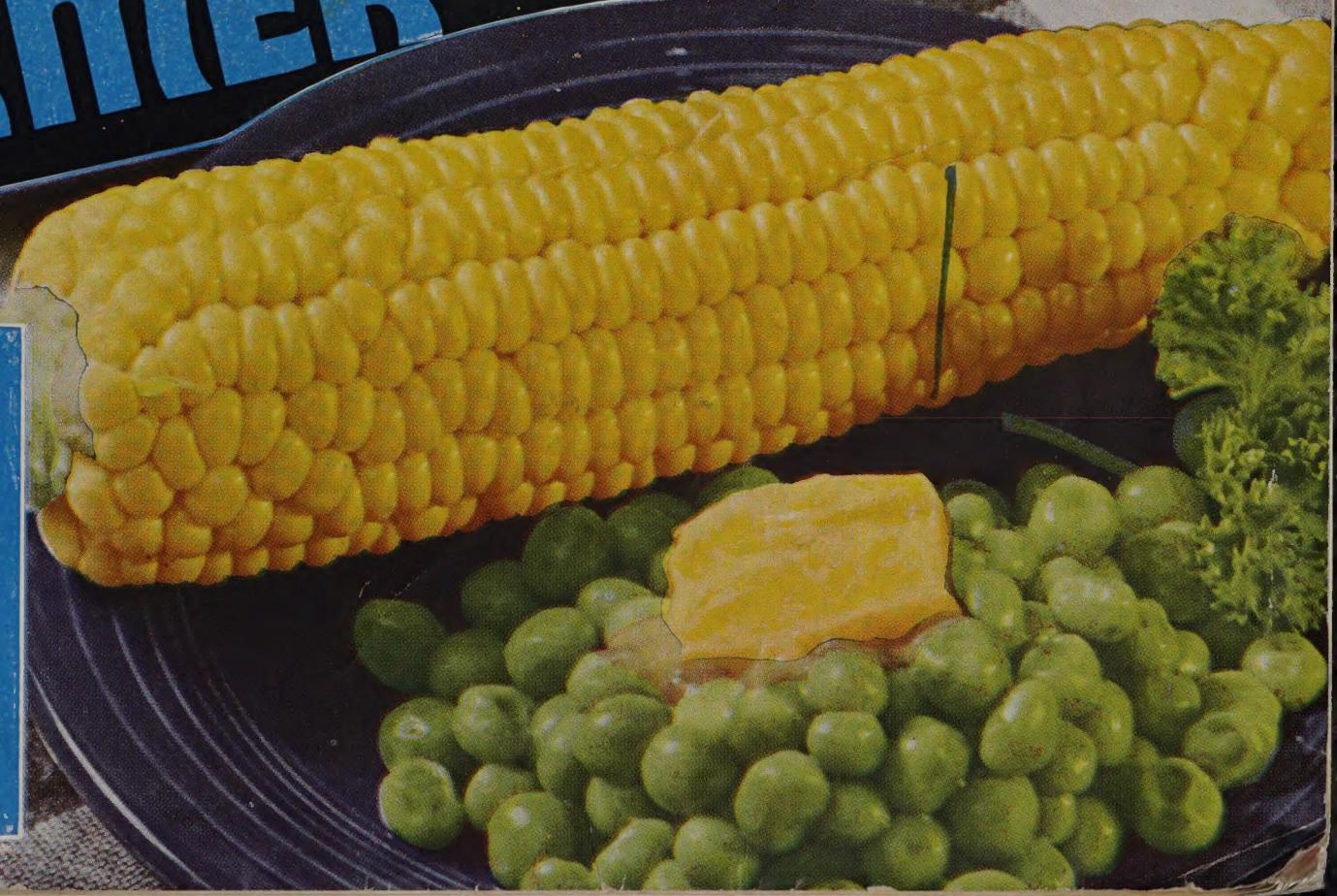
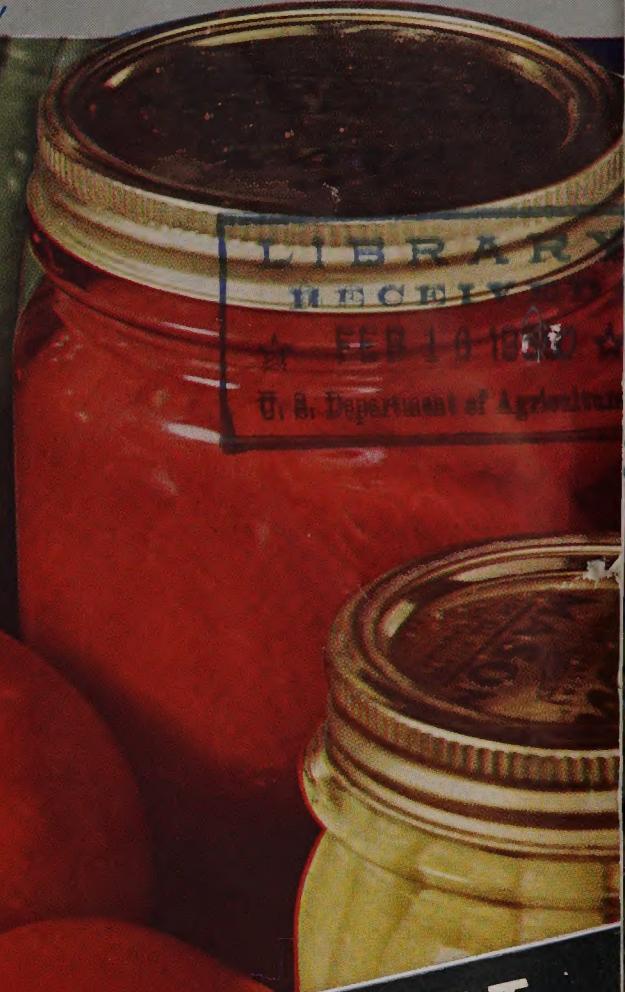
These prize winners were planted by
more customers in 1939 than any
other varieties we offered.

One packet each—

Beets, Ex. Early Winesap ..	.08
Beans, Faribo Brittle Wax ..	.08
Beans, Tendergreen .....	.08
Cucumber, Earliest Pickling ..	.08
Tomato, Ex. Early Bison ..	.10
Sweet Corn, Minhybrid 202 ..	.10
Peas, Tender Giant .....	.08

7 PACKETS for
(Total Value, 60c) 40¢

This collection may also be ordered
from your local dealer.





REGAL *Most Popular Lily*
Ivory-white, tinged rose-pink. Flowers are borne in clusters on 3- to 5-ft. stems in June. Perfectly hardy.

3 for 35c ppd.

Other Lilies on page 45.



Feuerbrand
Maischnee—White
Moerheimi—Pink



Amethyst

Red Rover

HARDY ASTERS

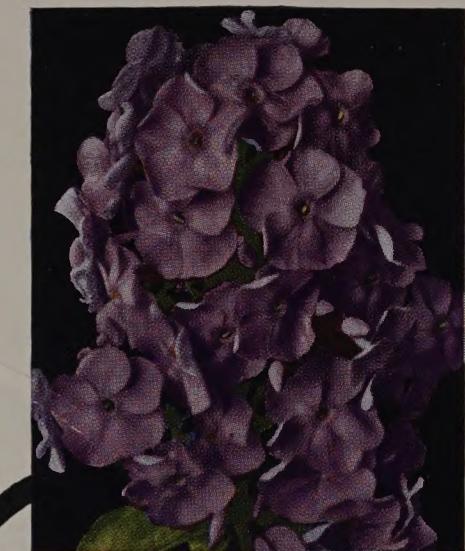
For Early Fall Blooms

Amethyst. Purple-blue.
Blue Gem. Rich blue.
Jaan Vaughan. Lovender. (Not shown.)
Red Rover. Rose-red.
Sunset. New pink.
(Page 46)

All 5

For 95c only

MINIATURE DAHLIAS *for Border Planting and Bouquets*



They bloom continuously from early summer until frost, producing a mass of color and plenty of flowers for cutting. Assorted colors and types—strong tubers. (Page 44)

3 for \$1.00 ppd.

SARAH BERNHARDT

The Ideal Cut Flower Peony

Apple-blossom-pink.
Strong field-grown roots.

Each 75c ppd.

For other varieties see

page 36.



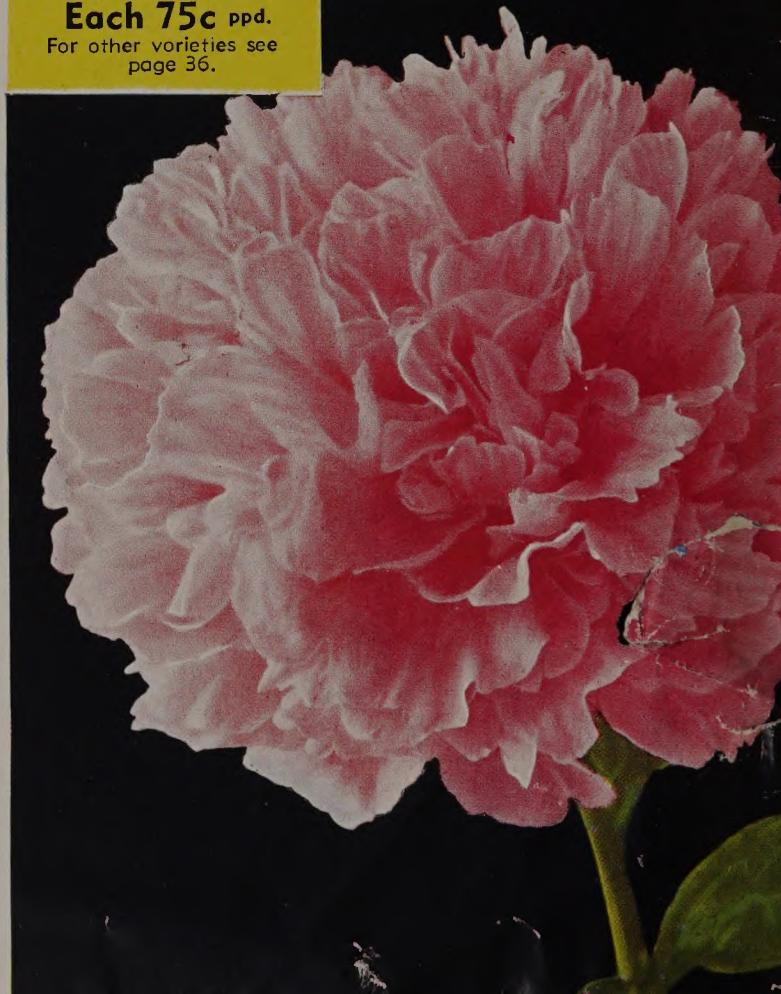
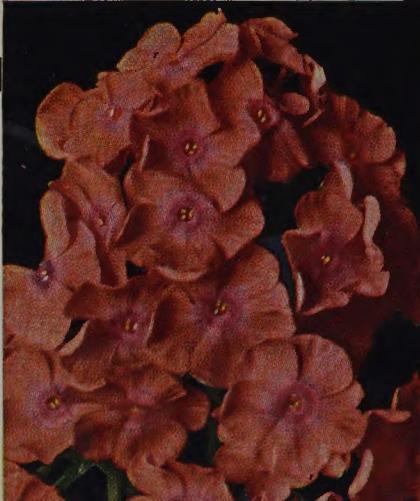
**Sunset—Pink
Blue Gem**

5 HARDY PHLOX

Feuerbrand. Scarlet.
Champs Elysees. Lovender.
Rheinlander. Salmon-pink.
Maischnee. White creeping.
Moerheimi. Pink creeping.

**Postpaid
Far 75c (Page 46)**

Rheinlander



NOTE—These prices are exceptionally low and may have to be advanced at any time—Order early.

BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold; bags included in weight.

THE FARMER SEED & NURSERY CO. guarantee satisfaction to every customer. Complaints, if justified, will be adjusted to the amount remitted, however THE FARMER SEED & NURSERY CO. give no warranty, express or implied, as to the descriptions, productiveness, or any other matter of any

seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. Purity and germination tests are given for guidance only, and without guarantee. If the purchaser does not accept goods on these terms, they are to be returned at once. All prices are F. O. B. Faribault.

FARMER SEED & NURSERY CO., FARIBAULT, MINN. Jan. 15, 1940

EXCEPTIONAL LOT OFFERS FOR EARLY ORDERS — See Pages 1 and 2

Lot "Soilbuilder" Timothy and Alsike Clover
25 lbs., \$2.80; 50 lbs., \$5.35; 100 lbs., \$10.50
Lot "Tender-Sweet" Sweet Fodder Corn
Peck, 60c; bu., \$2.25; 5 bu., @ \$2.20 bu.
Lot "Rich" Minnesota Field Peas
Peck, 80c; bu., \$2.85; 100 lbs., \$4.70
Lot "Bountiful" Brome-Crested Wheat Grass
25 lbs., \$5.10; 50 lbs., \$10.15; 100 lbs., \$20.00

These Lots
Described
On
Pages 1 and 2

Lot "University" Red Clover
Peck, \$3.10; bu., \$11.85; 100 lbs., \$19.50
Lot "Everlasting" Variegated Alfalfa
Peck, \$4.10; bu., \$16.00; 100 lbs., \$26.50
Lot "Tonnage" Hybrid Silo Corn—Flat Grade
Peck, \$1.10; bu., \$4.25; 5 bu., @ \$4.15
Lot "A-I" Reed Canary Grass
25 lbs., \$5.00; 50 lbs., \$9.85; 100 lbs., \$19.50

You Pay No
Sales Tax
When You
Buy Here!

MINNESOTA-GROWN CLOVER

SUPER-HARDY—FREE FROM NOXIOUS WEEDS

(Bu. 60 lbs.)	% Purity	Peck	Bu.	100 Lbs.
Prices include sacks				
MEDIUM RED CLOVER				
Master Farmer Brand	99.50	\$3.20	\$12.15	\$20.00
Fancy	98.00	3.10	11.85	19.50
MAMMOTH CLOVER				
Master Farmer Brand	99.50	3.35	12.75	21.00
WHITE DUTCH CLOVER				
Master Farmer Brand	98.50	9.20	36.15	60.00
ALSIKE CLOVER				
Master Farmer Brand	99.00	3.55	13.65	22.50
Fancy	98.00	3.50	13.35	22.00
SWEET CLOVER, WHITE BLOSSOM				
Master Farmer Brand	99.70	1.25	4.60	7.50
Fancy	98.00	1.20	4.30	7.00
SWEET CLOVER, GRUNDY COUNTY				
Master Farmer Brand	99.50	1.25	4.60	7.50
Fancy	98.00	1.20	4.30	7.00
SWEET CLOVER, YELLOW BLOSSOM				
Master Farmer Brand	99.60	1.30	4.75	7.75
Fancy	98.00	1.20	4.45	7.25
SWEET CLOVER, HUBAM ANNUAL WHITE				
Master Farmer Brand	99.00	2.20	8.25	13.50

(No Sales Tax)

	25 Lbs.	50 Lbs.	100 Lbs.
TIMOTHY (Bu. 45 lbs.)	\$1.75	\$3.15	\$6.00
Master Farmer Brand			
Fancy	1.70	3.05	5.75
TIMOTHY AND ALSIKE (Bu. 50 lbs.)			
20-25% Alsike	2.75	5.35	10.50
30-35% Alsike	3.10	5.90	11.50
BROMUS INERMIS			
Fancy Canadian Cert. No. 1—Sealed 100 lb. Bags	4.50	8.65	17.00
REED CANARY GRASS			
Master Farmer, Minn. Grown Registered	5.20	10.15	20.00
Fancy, Minn. Grown from Registered Seed	4.95	9.65	19.00
CRESTED WHEAT GRASS—Canadian Cert. No. 1	4.25	8.15	16.00
DOMESTIC RYE GRASS	2.35	4.40	8.50
ORCHARD GRASS	4.95	9.65	19.00
KENTUCKY BLUE GRASS			
Master Farmer	5.25	10.15	20.00
Fancy	5.10	9.90	19.50

HARDY GRASSES

(No Sales Tax)

	25 Lbs.	50 Lbs.	100 Lbs.
CREEPING BENT			
1 lb., 80c; 5 lbs., \$3.75, prepaid			
MEADOW FESCUE			
RED TOP			
Master Farmer			
Fancy			
ALL SEASON PASTURE AND MEADOW MIXTURE			
BROME-CRESTED WHEAT GRASS MIXTURE			
1 lb., 35c, prepaid			
MIXTURE FOR LOW WET GROUND			
BROME-ALFALFA MIXTURE—1 lb., 35c, prepaid			
PERMANENT HOG PASTURE MIXTURE			
ANNUAL HOG PASTURE MIXTURE			
LAWN MIXTURES—See Page 3.			

Prices include sacks

Bu. 5 Bu. 10 Bu.

	Bu.	5 Bu.	10 Bu.
	@	@	@
WHEAT (Bu. 60 lbs.)			
Thatcher, Rust Resistant, Registered	\$1.70	\$1.65	\$1.60
Renown—New Canadian—Rust Resistant	2.00	1.95	1.90
Minturki Winter, Rust Resistant, Registered	1.60	1.55	1.50
SPELTZ OR EMMER (Bu. 40 lbs.)	1.10	1.05	1.00
OATS (Bu. 32 lbs.)			
Minrus, Rust Resistant, Registered	.80	.75	.70
Anthony, Rust Resistant, Registered	.90	.85	.80
Iogold, Rust Resistant, Registered	.80	.75	.70
Gopher, Rust Resistant, Registered	.80	.75	.70
New Nakota, Hulless, Registered	1.70	1.65	1.60
New Rusota, Rust Resistant, Registered	.90	.85	.80
Iowa No. 105	.80	.75	.70
Early Kherson	.80	.75	.70
New Iowa Select No. 52	.85	.80	.75

Prices include sacks

Peck Bu. 5 Bu. 10 Bu.

	Peck	Bu.	5 Bu.	10 Bu.
	@	@	@	@
BARLEY (Bu. 48 lbs.)				
Velvet, Registered				
Wisconsin No. 38 Pedigree, Registered	\$0.35	\$0.90	\$0.85	\$0.80
Peatland, Registered	.40	1.00	.95	.90
SPRING RYE (Bu. 56 lbs.)				
ROSEN WINTER RYE				
FLAX (Bu. 56 lbs.)				
Bison, Rust and Wilt Resistant, Registered	.40	1.05	1.00	.95
Bison, Rust and Wilt Resistant				
Red Wing, Rust and Wilt Resistant, Registered	.40	1.10	1.05	1.00
Red Wing, Rust and Wilt Resistant				
BUCKWHEAT (Bu. 50 lbs.)				
Japanese				
Silver Hull				

(No Sales Tax)

MINNESOTA-GROWN SEED POTATOES

(No Sales Tax)

PRICES SUBJECT TO MARKET CHANGES—Bags free. If wanted in barrels, add 25c per bbl. of 3 bushels.

SPRING SHIPMENT	Peck	Bu.	5 Bu.	@
Early White Gold, Certified	\$0.55	\$1.70	\$1.65	
Early White Warbas—Red River	.45	1.45	1.40	
Early Red Warbas, Certified	.50	1.60	1.55	
Early Ohio, Red River	.45	1.45	1.40	
Early Irish Cobbler, Red River	.45	1.45	1.40	
New Early Mesaba, Certified	.55	1.70	1.65	
New Early Mesaba, Red River	.50	1.55	1.50	
Chippewa, Certified	.55	1.70	1.65	

SPRING SHIPMENT	Peck	Bu.	5 Bu.	@
Green Mountain, Certified	\$0.55	\$1.70	\$1.65	
Rural New Yorker, Certified	.55	1.70	1.65	
Early Ohio's 2nd Size	.40	1.20	1.15	
Irish Cobblers 2nd Size	.40	1.20	1.15	
Early Warbas 2nd Size	.40	1.20	1.15	
Early Bliss Triumph 2nd Size	.40	1.20	1.15	
Early Mesabas 2nd Size	.45	1.30	1.25	

FARMER SEED & NURSERY CO'S Blue Figure Price List

MINNESOTA-GROWN SEED CORN

All Certified Seed Corn in 1-bushel, 2-bushel and 2½-bushel State Sealed Bags.

See catalog for descriptions and adaptability of varieties. Pages 68-70.
Prices subject to market changes and stocks being unsold. State sealed and registered. Germination guaranteed 90% or better. (State Laboratory tests show 95%-98%).

TERMS: Cash with order or a down payment of \$1.00 per bushel will hold the corn until March 15, 1940.

HYBRID SEED CORN

IMPORTANT QUESTIONS ANSWERED

The U. S. Dept. of Agriculture, the Minnesota, Iowa and Wisconsin Experiment Stations will confirm the following:

1. That it does not pay to save seed from a Hybrid Corn crop. It will produce 5-30% less grain, and will mean a decided loss over a possible saving in seed cost.
2. That growing early strains of Hybrid Seed for northern sections, in the central part of our state, makes no material difference in the time of maturity of the crop.
3. Planting round or small kernels will produce crops in every way equal to the best graded corn, as all possess exactly the same inheritance and Hybrid characteristics.
4. There may be a great difference in the same strain or variety, depending on the integrity of the producer. Deal with dependable growers.

MINNESOTA MASTER HYBRIDS

All Master Hybrid Seed comes to you already treated with Barbak. Hybrid small and round kernels will produce just as well as flat kernels—BESIDES—they are cheaper and plant more acres! Each bag of Small or Round Grades will be tagged, recommending proper plates for John Deere and International planters.

State Sealed and Registered

SPECIAL DISCOUNT for full remittance with early order, you may deduct 25c per bushel.

	Peck	½ Bu.	Bu.
MINHYBRID 402 (85-90 Days) Flat Grade	\$1.20	\$2.25	\$4.25
Small Flats or Medium Rounds	.95	1.75	3.25
Large or Small Rounds or Thicks	.70	1.25	2.25
MINHYBRID 401 (95-100 Days) Flat Grade	1.20	2.25	4.25
Small Flats or Medium Rounds	.95	1.75	3.25
Large or Small Rounds or Thicks	.70	1.25	2.25
MINHYBRID 301 (105-110 Days) Flat Grade	1.45	2.75	5.25
Small Flats or Medium Rounds	1.20	2.25	4.25
Large or Small Rounds or Thicks	.95	1.75	3.25
MINHYBRID 403 (105-110 Days) Flat Grade	1.45	2.75	5.25
Small Flats or Medium Rounds	1.20	2.25	4.25
Large or Small Rounds or Thicks	.95	1.75	3.25
MASTER HYBRID No. 2 (110 Days) Flat Grade	1.60	3.00	5.75
Small Flats or Medium Rounds		Sold Out	
Large or Small Rounds or Thicks		Sold Out	
MASTER HYBRID NO. 4 (105-110 Days) Flat Grade	1.60	3.00	5.75
Medium Rounds	1.35	2.50	4.75
Large Rounds or Thicks	1.10	2.00	3.75

WISCONSIN MASTER HYBRIDS

State Sealed and Registered.

	Peck	½ Bu.	Bu.
WISCONSIN 85-Day Hybrid, Flat Grade only	\$1.45	\$2.75	\$5.25
WISCONSIN, 90, 95, 100-Day Hybrids			
Flat Grade	1.35	2.50	4.75
Small Flats or Medium Rounds	1.10	2.00	3.75
Large or Small Rounds or Thicks	.85	1.50	2.75
WISCONSIN, 105-Day			
Flat Grade	1.45	2.75	5.25
Medium Rounds		(Sold Out)	
Large Rounds	.95	1.75	3.25
WISCONSIN, 110-Day Hybrid			
Flat Grade	1.35	2.50	4.75
Medium Rounds	1.10	2.00	3.75
Large Rounds or Thicks	.85	1.50	2.75
HYBRID SILO CORN			
Flat Grade	1.25	2.35	4.50
Small Flats or Medium Rounds	1.00	1.85	3.50
Large or Small Rounds or Thicks	.75	1.35	2.50

REGISTERED OPEN POLLINATED SEED CORN

Germination 95-98%

	Peck	Bu.	5 Bu.	@
Golden Jewel, Flat Grade, Registered				
Early Murdock, Flat Grade, Registered				
Minn. No. 13, Large Type, Flat Grade, Registered				
Minn. No. 13, Central Strain, Flat Grade, Registered				
Minn. No. 13, Haney's Strain, Extra Early Flats, Reg.	\$0.70	\$2.25	\$2.20	
Golden King, Flat Grade, Registered				
Minn. Ideal, Flat Grade, Registered				
Northwestern Dent, Flat Grade, Registered				

OPEN POLLINATED SEED CORN

Not Registered—Germination 95-98%

	Peck	Bu.	5 Bu.	@
Offered in above Open Pollinated varieties—				
(Except: Haney's Minn. 13, and Northwestern Dent)	\$0.60	\$2.05	\$2.00	
Early Minn. White Dent	.60	2.05	2.00	

NO SALES TAX IN MINN.

USE ORDER BLANK IN BACK OF CATALOG.

IF YOU WANT A SOIL CONSERVATION CERTIFICATE, REQUEST IT WHEN ORDERING

Butts and Tips from Registered Seed

Separate Straight Varieties—Germination 95-98%

	Peck	Bu.	5 Bu.
Early Murdock			
Golden Jewel			
Minn. No. 13, Large Type			
Minn. No. 13, Central Strain			
Minn. No. 13, Haney's Strain			
Golden King			
Minn. Ideal			
Northwestern Dent			
	\$0.45	\$1.30	\$1.25

MINNESOTA-GROWN FLINT CORN

	Germ. %	Peck	Bu.	5 Bu.
Rainbow Flint	95-98	\$0.55	\$1.80	\$1.75
King Philip Flint	95-98	.60	1.90	1.85
Longfellow Flint	95-98	.60	1.90	1.85
Smut Nose, Flint	95-98	.60	1.90	1.85

SILAGE AND FODDER CORN

	Germ. %	Peck	Bu.	5 Bu.
F. S. & N. Co. Ideal Silo, Registered	95	\$0.55	\$1.85	\$1.80
Evergreen Sweet Fodder Corn	95	.70	2.40	2.35
Early Yellow Dent Fodder	95	.35	1.05	1.00
Large Yellow Dent Fodder	95	.35	1.05	1.00

RAPE, CANE, SUDAN GRASS, MILLET

	10 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.
RAPE				
Holland Grown—Extra Fancy	\$1.10	\$2.40	\$4.60	\$9.00
SUGAR CANE				
Minnesota Early Amber Sorghum	.60	1.15	2.10	4.00
Waconia Orange Sorghum	.65	1.25	2.25	4.25
Dakota Amber Cane, 39-30 S.	.70	1.50	2.85	5.50
Fodder Cane	.55	1.10	2.00	3.75
SUDAN GRASS, Fancy	.70	1.50	2.85	4.50
SUNFLOWER SEED				
Mammoth Russian	1.05	2.40	4.60	9.00
MILLET				
Golden or German	.50	1.00	1.85	3.50
Siberian	.55	1.10	2.00	3.75
Japanese, or Billion Dollar Grass	.70	1.50	2.85	5.50
Hog or Broom Corn	.45	.90	1.60	3.00
Early Fortune	.45	.90	1.60	3.00
Turghai or Proso	.50	1.00	1.85	3.50

SOY BEANS

	Germ. %	Peck	Bu.	100 Lbs.
(Bu. 60 lbs.)				
Habaro, Minnesota Grown, Registered	90	\$0.60	\$1.85	\$2.95
Habaro, Minnesota Grown	90	.55	1.80	2.85
Mukden, Minnesota Grown	94	.50	1.75	2.75
Mukden, Iowa Grown	94	.50	1.75	2.75
New Early Manchu, Wisconsin No. 3, Approved	90	.60	1.85	2.95
Manchu, Minnesota or Iowa Grown	93	.50	1.75	2.75

FIELD PEAS, VETCHES

	Peck	Bu.	Lbs.
CANADA YELLOW FIELD PEAS			
Early Chancellor, Registered		\$0.95	\$3.05
Northern Grown		.85	2.95
VETCHES, Hairy or Sand (Minn. Grown)		1.75	6.70
			11.00

“Double Your Money”

ON WINDBREAK TREES IN 1940

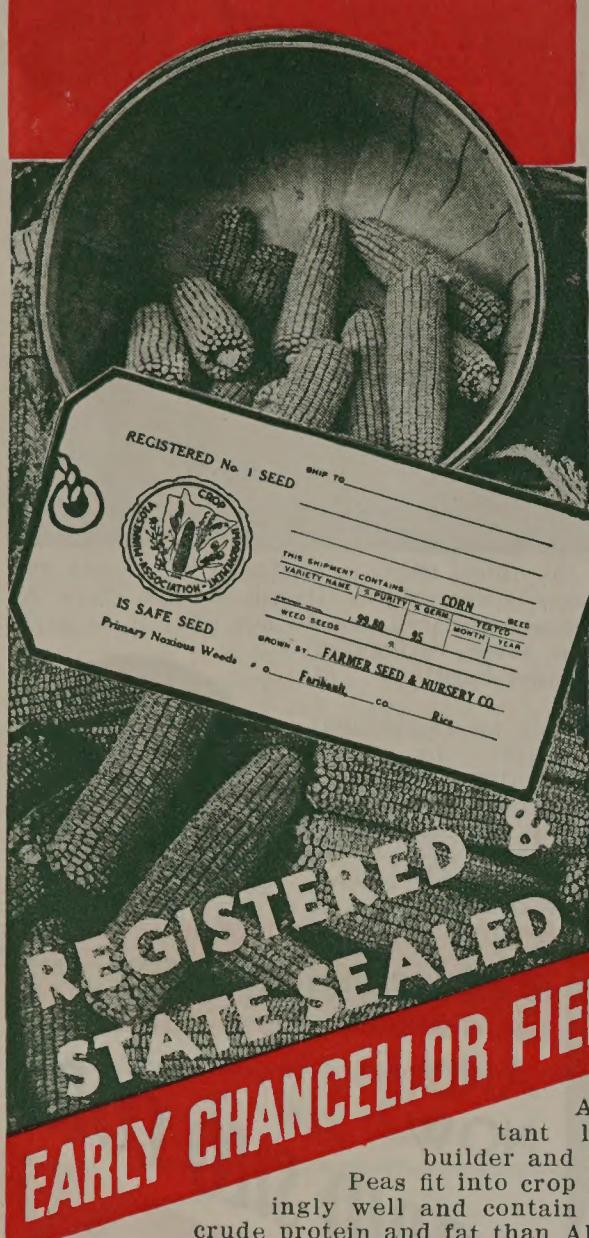
300 Windbreak Trees, Postpaid	\$3.65
100 Green Ash	
100 American Elm	
100 Chinese Elm	
Earns Federal payments up to \$10.50	
SPECIAL: 4 Windbreak Offers (1,200 trees) only \$11.34, can earn up to \$42.00 payments.	
650 Wood-Lot Trees, Postpaid	\$6.50
100 Green Ash	
200 American Elms	
250 Chinese Elms	
Earns Federal payments up to \$10.50	
SPECIAL: 4 Wood-Lot Offers (2,600 trees) only \$23.35, can earn up to \$42.00 payments.	

Offered in above Open Pollinated varieties—
(Except: Haney's Minn. 13, and Northwestern Dent)... \$0.60 \$2.05 \$2.00
Early Minn. White Dent..... .60 2.05 2.00

NO SALES TAX IN MINN. USE ORDER BLANK IN BACK OF CATALOG.

IF YOU WANT A SOIL CONSERVATION CERTIFICATE, REQUEST IT WHEN ORDERING

1940 PROFIT MAKERS for the FARM



MINHYBRID No. 301 CORN TOPS MOST TRIALS FOR YIELDS IN ➤ Write For Free Planting Guide Showing Best Hybrids For You

Hundreds of farmers in southern Minnesota, northern Iowa, southern Wisconsin and southern South Dakota have acclaimed Minhybrid No. 301 the dependable variety for safe maturity and bountiful yields of excellent Yellow Dent Corn.

It pays to play safe with northern strains for northern farmers. We have eliminated costly advertising expense, which means lower prices for you.

NOW-LOWEST COST in HISTORY
State Registered and Sealed.

PRICE
\$5.25
bu.
Less 25c bu.
Cash in full

NO AGENTS' PROFITS ADDED

Your money can buy no better Hybrid Corn than Blue Tag State Registered Seed, and it must be dependable or it would not be recommended by the Minnesota and Wisconsin Experiment Stations. Ask for official report.

Bookings are coming fast now and only 10,000 bushels reserved for this offer—so do not delay order. See pages 68-69 for descriptions of all best varieties and Blue Figure List for prices.

EARLY EVERGREEN FODDER CORN



A most important legume, soil builder and hay crop. Field Peas fit into crop rotation exceedingly well and contain more digestible crude protein and fat than Alfalfa and Corn. Chancellors make a wonderful hay combination crop with Oats, using 1 1/2 bushels of Peas per acre drilled in early, and 2 bushels of Oats sowed 2 weeks later. See Page 72 and Blue Figure Price List.



Brome-Crested Wheat Grass Mixture

This mixture has been found the most drought resistant of all grasses and is recommended by the Minnesota Experiment Station.

It contains approximately 30% Brome Grass, 25% Crested Wheat, 25% Alfalfa and 20% Sweet Clover, properly blended.

It is well suited for a long rotation, giving luxuriant pasture—appetizing and rich in protein, minerals and vitamins.

Sow at the rate of 20 lbs. per acre, in same manner as Brome-Alfalfa Mixture.

See page 60 and Blue Figure Price List for quantity prices.

LOT RICH
\$2.85
Bu.

LOT BOUNTIFUL
\$20.00
Per 100 lbs.

LOT "TENDER SWEET"

For early sweet fodder there is nothing like it—increases milk production to a remarkable degree. All livestock thrives on it, and makes rapid gains. A vigorous grower, producing tender, juicy broad leaves. The ears are large, with 16-20 rows of white kernels. Dairy farmers consider this variety a real profit-maker.

See Page 70 and Blue Figure Price List.

THIS LOT
\$2.25
Per bu.

TIMOTHY AND ALSIKE CLOVER Lot "Soil Builder"

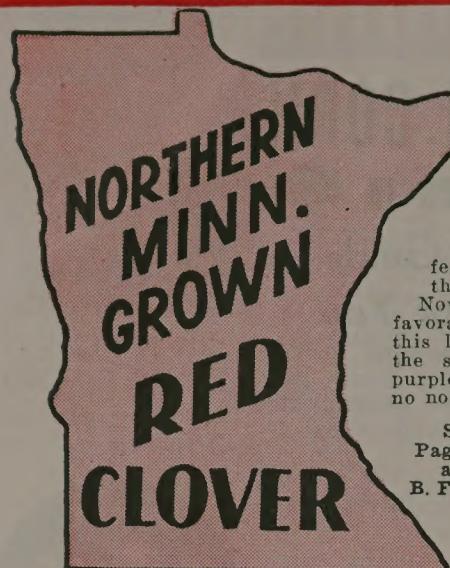
This lot contains 20-25% finest quality Alsike Clover, balance Timothy. All Minnesota grown seed of highest purity and no noxious weeds. This is our most popular mixture and produces excellent permanent pasture. The hay is very leafy, of fine quality, richer in protein than Timothy alone, and relished by all livestock.

See Page 60 and Blue Figure Price List for quantity prices.

THIS LOT
\$5.35
Per 50 lbs.

Southern Minnesota
Northern Iowa
So. Wisc.
So. Mich.
S.E. So. Dak.

EXCEPTIONAL OFFERS in NORTHERN GROWN SEEDS



99% CROP PURITY



HYBRID SEED CORN

REGISTERED MINHYBRID No. 401

One of the best early Hybrids—90-95 days. A cross between Early Minnesota No. 13, yellow—and Rustler White Dent. Stalks are medium bright—leafy, and produce good sized ears of yellow and white corn. The yields average 20% more than open pollinated corn of the same maturity.

This variety is especially adapted to the central parts of Minnesota, Wisconsin and South Dakota, and is one of the most profitable to grow.

Price: See Page 68 and Blue Figure Price List.

REGISTERED → MINHYBRID No. 402

85-90 Days.

An extra early Hybrid for the extreme northern sections of the Corn Belt. The ears are slightly smaller than Minhybrid No. 401, but mature five days earlier. It is adapted to north central Minnesota, Wisconsin, South Dakota and southern North Dakota. Produces 15% to 20% higher yields than open pollinated varieties. Ask for official reports.

See Page 68 and Blue Figure Price List.

→
HOW OUR
HYBRIDS
THRIVE NEAR
GRAND RAPIDS
MINNESOTA



YOUR CHOICE
EITHER
VARIETY
FLAT GRADE

Your Choice
FLAT GRADE
\$4.25
Bu.
Less 25c bu.
Cash in full



LOT UNIVERSITY Medium Red Clover

There is no finer quality seed or hardier strain than Lot "University" — from northern Minnesota.

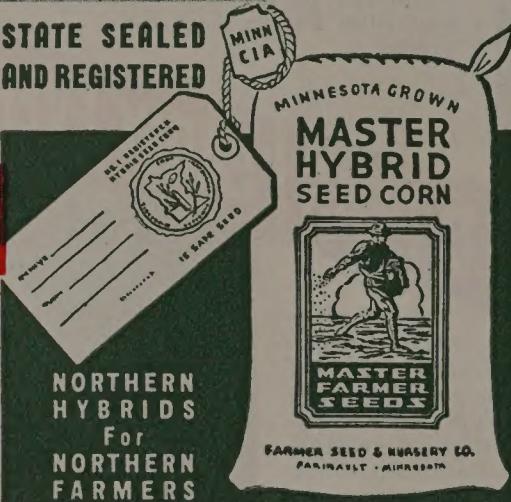
Red Clover is the natural soil fertilizer of the Northwest, and the backbone of agriculture.

Now quality and price are most favorable for a liberal planting of this legume. It is the best buy of the season. Large, plump, bright purple seed—over 99% pure, and no noxious weeds, but order early.

See
Page 63
and
B. F. List.

THIS LOT
\$11.85
Per bu.

STATE SEALED
AND REGISTERED



LOT "EVERLASTING" Variegated ALFALFA



From some of the oldest fields in northern Minnesota and Montana. For years it was sold as Grimm, though since the fields have not been registered, we do not offer it as such.

It produces the same variegated blossoms and super-hardiness of Grimm.

This lot represents an exceptional value in extra quality Alfalfa—bright color and no noxious weeds. Purity over 99%. The supply is limited at this price.

THIS LOT
\$16.00
Per bu.

FOR the NORTH COUNTRY

AND
NOW

HYBRID SILO CORN

WITH
MORE
25% TONNAGE

Farmers everywhere realize the advantage of Hybrid Silo Corn. With lower Hybrid Corn prices now available, no farmer can afford to overlook its advantages. It will mean 20-25% more ensilage—does not lodge, and, therefore, is easily cut with a binder. Stalks and leaves stay green longer—resists cold, drought and heat, and produces uniform, well-developed ears. The increased tonnage more than pays the seed cost.

See Page 70 and
Blue Figure
Price List.



LOT
TONNAGE
\$4.25
bu.
Less 25c bu.
Cash in full

1940-

Our 52nd Year of Service



AS WE move along in our second half century of life in this changing world, we frequently reflect on the many enjoyable transactions with Farmer Seed customers during this period.

Probably your parents or grandparents were among our patrons. Their good judgment in depending on Master Farmer Seeds is a cherished guide to hundreds of present-day farmers. This is our great source of encouragement to carry on—to keep abreast of the times and to point out the newest developments of the present day in agriculture to you and your neighbors.

Trust us to help you as we did these thousands of faithful customers, to whom we owe our success. We cannot let you down—and our best wishes for real progress in 1940 are for you.

E. Kiekenapp
President.



Visit Our Faribault Retail Store Where All Our Products are Displayed.

F. S. & N. Co.

30 DAY Lawn Seed

Ideal for quick results. A mixture of finest quick-growing, and permanent grasses. Will establish a luxuriant lawn in 30 to 40 days under normal conditions. Contains quality Kentucky Blue Grass, White Dutch Clover, Rye Grass and Red Top. Price: 1 lb. 35c, 5 lbs. \$1.60 prepaid.— Not prepaid, 25 lbs. \$7.00, 100 lbs. \$27.00.

35c POUND
postpaid

Sow
1 pound of
Seed
per 250
sq. feet
of Lawn

GARDEN CITY Lawn Seed

Our popular high quality mixture for general use. Contains choicest grasses, roots deeply, and withstands severe drought. Consists chiefly of Kentucky Blue Grass, Red Top and White Clover. Price: 1 lb. 40c, 5 lbs. \$1.85, prepaid.— Not prepaid, 25 lbs. \$8.00, 100 lbs. \$30.00.

40c POUND
postpaid

**Lawn
Fertilizers**
page 76

**New Weed
Killer for Lawns**
page 76

Lawn Seed

SHADY NOOK Lawn Seed

A mixture of hardy, quick growing grasses that thrive in shady places. Ideal for patching up the lawn, filling in barren places under trees, and on north side of house. Price: 1 lb. 45c, 5 lbs. \$2.00, prepaid.— Not prepaid, 25 lbs. \$9.00.

45c POUND
postpaid

FREE! Lawn Booklet

Tells how to build and maintain new lawns, rejuvenate old lawns—Bent lawns etc. Ask for it.

CREEPING BENT Lawn Seed

Makes fine, dense, firm turf. Ideal for lawn, terraces, and putting greens. Makes compact sod due to its spreading habit. Eventually crowds out other grasses. Price: 1 lb. 80c, 5 lbs. \$3.75, prepaid.

80c POUND
postpaid

White Lawn Clover

The little three and four-leaf White Dutch Clover especially fine for lawns. Makes a close, compact growth and covers the ground like a carpet. Quick growing, thrives on any soil. Ideal on sandy soil and in hot sunny spots where grass fails to grow. Enriches the soil. Price: 1/2 lb. 35c, 1 lb. 65c, 5 lbs. \$3.00, prepaid.

NORTHERN GROWN VEGETABLE SEEDS



A partial view of our trial gardens on U. S. Highway 65, at the north city limits of Faribault. Visitors are always welcome.

Asparagus SEED & ROOTS

CULTURE—Sow one ounce of seed to 100 feet of drill. Five pounds to the acre. Sow in drills one foot apart and one inch deep. Keep soil mellow. Thin plants to four inches apart, transplant the following year to a permanent bed. Asparagus culture leaflet free.

5. WASHINGTON RUST PROOF ASPARAGUS—The leading variety grown by market gardeners—rust resistant, producing large, straight shoots; tips of dark green color. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, prepaid.

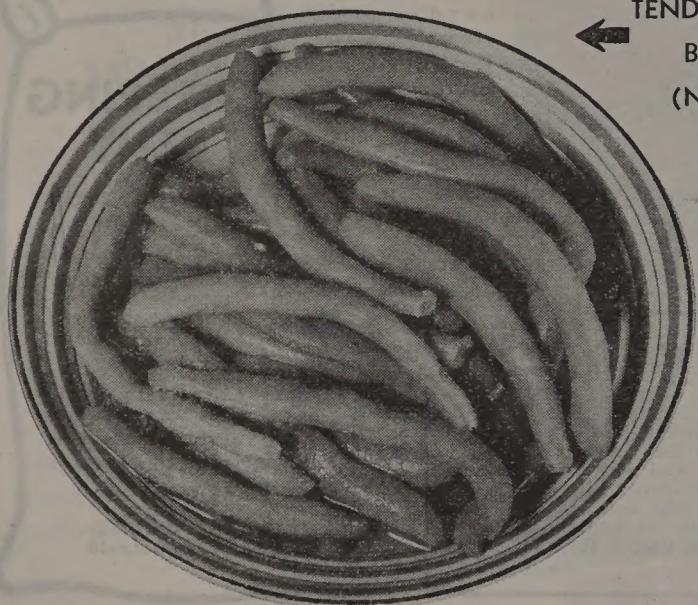
ASPARAGUS ROOTS—Washington rust proof variety: 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid. Culture free. See page 27 for complete description and quotations.



Be Sure to Inoculate Garden Beans

For bigger yields and better quality crops we recommend McQueen's Inoculator. The small extra cost is repaid ten-fold. McQueen's Garden Size Inoculator (treats 4 lbs. garden beans). Pkt. 10c, prepaid. Market Grower Size Inoculator (treats 15 lbs. garden beans). Pkt. 25c, prepaid.

In ordering state if wanted for Peas or Beans.

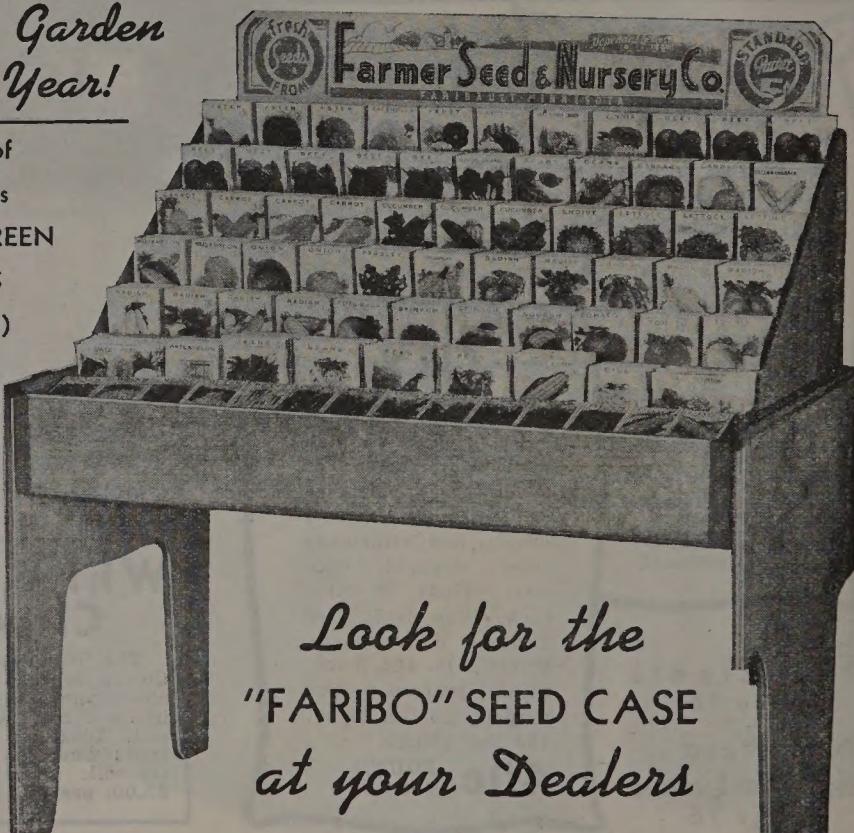


A Dish of
Delicious
TENDERGREEN
BEANS
(No. 21)



←

←



Look for the
"FARIBO" SEED CASE
at your Dealers

Wax~ Podded BUSH BEANS

SNAPPY~ TENDER~ BUTTERY



9. Tender Faribault Brittle Wax

15. **SURE CROP STRINGLESS WAX** — (53 days.) Particularly favored by truckers and shippers. Resistant to blight and rust, exceptionally hardy and vigorous even in dry sections. Bears heavily. Pods are 6½ inches long, golden yellow, flat, brittle, strictly stringless, of fine texture and quality. Seeds are oval, jet black. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs., \$1.50.

16. **UNRIVALLED ROUND POD WAX** — (52 days.) Very popular among our market gardener trade. Pods are 5½ inches long. Attractive deep yellow, thick, flat, brittle, stringless when young. Plant is dwarf, erect, stocky, very productive. Seeds are small, oval, glossy golden brown. Mammoth pkt. 5c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.50.

No. 20

ALL SEASON BEAN OFFER:

½ lb. Tendergreen Stringless 45c
½ lb. Faribault Brittle Wax
½ lb. Baby Potato Bush Lima Postpaid
1 pkt. each, 20c

Pole or Runner Beans

One pound plants 200 hills. Plant in hills 3 feet apart each way, sowing 4 to 6 beans to a hill. Stake with poles 7 feet high.

60. **KENTUCKY WONDER** — (65 days.) (Old Homestead.) The most popular pole bean grown. A splendid canner. Will bear heavily all summer if kept picked. Pods are 8 inches long, silvery green, practically round, of good quality and very brittle. A strong climber—ideal for planting in cornfields. Seeds are huff brown. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

SCARLET RUNNER — (See page 56.)

FARM BEANS FOR BAKING

30. **RED KIDNEY OR CHILI BEAN** — (95 days.) Everyone likes the delicious, tangy flavor of hot Mexican Chili Con Carne! It has become a favorite American snack or supper dish, made with red kidney beans, introduced from Mexico. Anyone can grow these delicious red Chili Beans. They are of excellent quality for dry bean use. Pods: 6 inches long, flat, waxy green. Seeds: reddish brown. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

40. **GREAT NORTHERN** — The most delicious baking bean grown. Far better for baking and cooking than any navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger than common navy beans. Mammoth pkt. 5c, ½ lb. 12c, 1 lb. 20c, 2 lbs. 35c, 5 lbs. 80c, prepaid.—Not prepaid, 10 lbs. \$1.10.

41. **ROBUST NAVY** — Plants are of decidedly robust growth. Beans are clear white. Mammoth pkt. 5c, ½ lb. 12c, 1 lb. 20c, 2 lbs. 35c, 5 lbs. 80c, prepaid.—Not prepaid, 10 lbs. \$1.10.

9. **FARIBAULT BRITTLE WAX** — (52 days.) The finest in Wax Beans. An abundant yielder of tender, succulent, buttery-flavored beans. Ideal for home use and for canning. An excellent winter shell bean. Pods are 6 inches long, attractive lemon yellow color, and absolutely stringless. Seed is white, kidney-shaped with black eye. (See front cover.) Mammoth pkt. 8c, ½ lb. 20c, 1b. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. \$1.60.

10. **TOP NOTCH GOLDEN WAX** — (50 days.) New bean resembling Improved Golden Wax, but superior in quality and yield. The pods run about 6 inches long, stringless, of rich yellow color, nearly flat and broad. The seed resembles Golden Wax but the pods run about an inch longer and are absolutely stringless with less fiber than the old-fashioned Golden Wax. The maturity is a few days later. Mammoth pkt. 5c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.50.

11. **PROLIFIC BLACK WAX** — or Butter Bean — (51 days.) A good, medium early home and market garden sort. A heavy producer over a long period. Rust-proof and of fine quality. Pod is 5½ inches long, round, fleshy, deep golden yellow color, and of appetizing flavor. Seeds are small, oval, solid black. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

12. **BLACK PENCIL POD WAX** — (52 days.) A favorite money-maker for the gardener. Vigorous, productive and of appetizing flavor. Pods are 6½ inches long, round, fleshy, golden yellow, tender, absolutely stringless, brittle and of finest quality. Seeds are oblong, solid black. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

13. **IMPROVED GOLDEN WAX** — (49 days.) Exceptionally hardy and rustproof. Pods are 4¾ inches long, flat, creamy-yellow in color, stringless, and of good quality. Seeds are oval, white with mottling of violet and light yellow around eye and ends. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

19. **EARLY WONDER WAX** — (40 days.) The ideal wax bean for early market, and first on the dinner table. Extremely early and resistant to rust, a very heavy yielder. Pods are 6½ inches long, clear waxy yellow, plump, tender, brittle, of fine texture and very meaty. Plant is large, strong, productive. Seeds are yellow. Mammoth pkt. 5c, ½ lb. 15c, 1b. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

1 lb. plants 50 foot row.

CULTURE—Beans should be sown after May 15th, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often. Do not walk through or pick beans when wet with dew or rain.



19. Early Wonder Wax.

LIMA OR BUTTER BEANS

Grow "Dry Shell" Beans—Save Grocery Bills

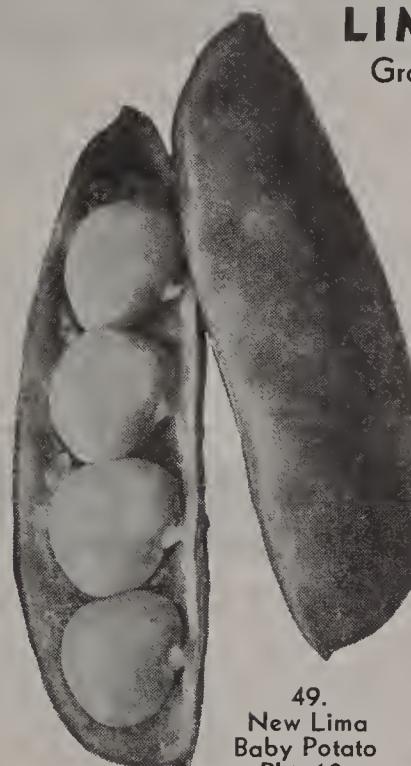
CULTURE—Bush Limas should be planted in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant about 3 inches deep. One pound will plant 50 ft. of row.

49. **NEW BABY POTATO BUSH LIMA** — 1940 All-America Winner. A small thick seeded butter bean with Fordhook flavor and a dependable producer of good sized pods in most all sections. Sturdy plants, 12 to 16 in. high, are early and prolific. Seeds attractive bright green at eating stage, creamy white when dry. Pkt. 10c, ½ lb. 20c, 1b. 35c, 2 lbs. 60c, 5 lbs. \$1.35, prepaid.

50. **FORDHOOK BUSH LIMA** — (75 days.) The most popular large seeded Dwarf Lima among market growers. It supplies many dinner tables with big, plump, buttery beans of delicious flavor. Pods are 4½ inches long, 1 inch wide; contain 3 to 4 seeds. Green shell beans; large thick oval, of excellent quality. Seeds are white with tinge of green. Mammoth pkt. 10c, ½ lb. 20c, 1b. 35c, 2 lbs. 60c, 5 lbs. \$1.35, prepaid.

51. **BURPEE'S IMPROVED BUSH LIMA** — (75 days.) Of excellent quality and luscious flavor. Pods are 4 inches long, 1¼ inches wide; contain 4 to 5 seeds. A heavy yielder. Seeds are large, plump, flat, wrinkled; white with greenish tinge. Mammoth pkt. 8c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.

52. **HENDERSON BUSH LIMA** — (68 days.) Produces small, flat, green shell beans of excellent quality. Very early and fine for canning. Pods are 3½ inches long with 3 to 4 seeds. Plant is small bushy. Seeds are dry beans, creamy white. Mammoth pkt. 5c, ½ lb. 15c, 1b. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.



1940 All America Winner

Tender Table Beets

85.
Detroit
Dark Red.
PKT. 5c

Sow 1 oz. to 80 ft. of row—6 lbs. per acre.

CULTURE—The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of July; when the plants are large enough, thin out to stand six inches apart.

For the home garden, Crimson King and Early Winesap are the most tender early beet; Detroit Dark Red and Ohio Canner are the best main crop sorts.

83. EXTRA EARLY WINESAP—(54 days.) The first beet on the family dinner table. Winesap combines excellent quality, flavor and tenderness with its exceptional earliness. Roots are semi-globular, deep rich crimson with small taproot. Flesh is fine grained, sweet and tender. Tops are medium small. (See front cover.) Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, prepaid.

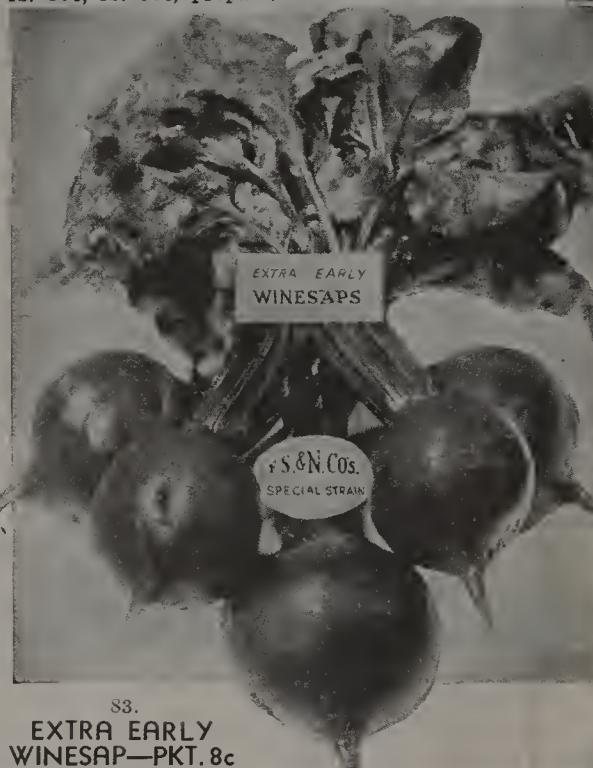
84. EARLY WONDER—(54 days.) First on the early market. A splendid shipping variety. Similar in quality to Winesap. Roots are blood red with small taproot. Flesh is blood red with lighter zones, tender and of good quality. Tops are medium small. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, prepaid.

87. CRIMSON KING—The darkest red beet we know of. The smooth, globular roots grow to a diameter of $3\frac{1}{2}$ to 4 inches, with small tops and taproots. It's a delicious, tender beet with a deep maroon interior color and complete absence of zoning. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c, prepaid.

88. OHIO CANNER—(Good for All). The absence of lighter zones, the smooth symmetrical form and superior color make this one of the most perfect canning and pickling beets yet developed.

Also splendid for market growing and table use. Roots are uniformly round, small taproot. Flesh is intense deep blood red, with no trace of lighter rings. Tops are small, dark. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c, prepaid.

85. DETROIT DARK RED—(62 days.) The outstanding late variety for truckers, produce shippers, canners and home gardeners. A most popular, real quality beet. Roots are globular, smooth, uniform, attractive, with small taproot. Flesh is deep oxblood red, with indistinct zones. Splendid quality, sweet and tender, without any trace of woodiness. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.



When young it is
ideal for Canning
or Pickling Whole.

Mangels 45c
POUND
Postpaid

An ounce will sow 100 feet of drill, 5 lbs. will sow an acre.

Mangels are of high feeding value for all livestock. They keep hens healthy, and stimulate egg production. Feed at the rate of 25 lbs. to 100 hens per day, with grain.

CULTURE—Sow at corn planting time—in drills 2 to $2\frac{1}{2}$ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil it must be planted $1\frac{1}{4}$ to $1\frac{1}{2}$ inches deep. Thin out to stand 8 inches apart in row.

105. MINNESOTA GOLDEN TANKARD—The best yellow mangel in cultivation. Has a high sugar content, is a heavy cropper and easily harvested. Roots are large, nearly cylindrical, partly above ground; skin orange. Flesh yellow.

106. MAMMOTH LONG RED—The best cropper of all. Yields from 20 to 30 tons per acre. High feeding value and exceptional quality. Roots extremely large, tapering, grow half above ground; skin light red. Flesh is white with rose tinge.

108. GIANT SLUDSTRUP—A very high yielder. Roots are long, oval, orange colored. Flesh is white with yellow tinge; high in feeding value.

109. GIANT HALF SUGAR—Roots are long, oval, white with light bronze-green shoulder. Flesh is white, rich in sugar; a good feeding sort.

115. SUGAR BEET, KLEIN WANZLEBEN—The most popular variety for sugar manufacture on account of high sugar content; also good for stock feed. Roots are long, with white skin and flesh.

PRICES on all Mangels: Oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 45c, prepaid.—Not prepaid, 5 lbs. at 35c per lb., 10 lbs. at 30c per lb. Ask for prices on larger lots.

SWISS CHARD-

Greatest of All
Summer Greens

Swiss Chard produces more food than any other vegetable, in proportion to the space required. The leaves are used for greens and are of much milder flavor, and more delicate texture, than spinach. It will produce a constant crop from early summer until winter. Cook like asparagus.

98. SWISS CHARD—(55 days.) Greatest of all summer greens. A variety of beet grown for its leaves. They may be used just as Spinach. Constant crop from July until winter. It makes good poultry feed, too. Of exceptionally tender quality and good flavor. Rich in vitamins. Leaves are heavily crumpled. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c, prepaid.



98.
SWISS CHARD
—Rich in vitamins.
PKT. 5c

NOVELTIES—"worth fussin' with!"

BRUSSELS SPROUTS

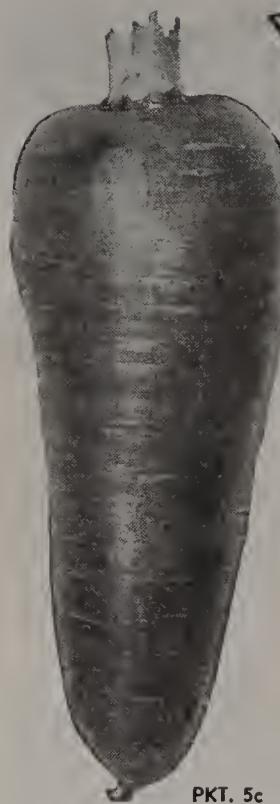
70. A delicious vegetable for winter use, of mild, cabbage flavor. Tall stems are covered with firm, tiny, cabbage-like sprouts. Cook the small heads and serve with butter or a cream sauce. Start seed indoors, same as cabbage. Transplant to garden in May. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 75c, prepaid.

BROCCOLI

80. **ITALIAN GREEN SPROUTING**—A novelty of the cauliflower family which after the first head has been harvested, produces branching sprouts on which are small loose heads 2 inches in diameter. They have a delicate flavor and are most delicious. Pkt. 8c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

Tasty-Tender

TABLE CARROTS



One ounce of seed will sow 100 feet of row, three to four pounds per acre.

CULTURE — The carrot is one of the most nutritious and healthful roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart covering about one-half inch. The plants should be thinned to two, three, or even four inches apart in rows.

PKT. 5c

171. Danvers Half Long.
A heavy yielder and fine keeper.

171. DANVER'S HALF LONG — (75 days.) A most popular and reliable carrot for home and market gardening. Easily harvested, a good keeper and an excellent shipper. Roots: 7 inches long, tapered to a blunt end. Flesh: bright orange, tender and of a good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, prepaid.

170. F. S. & N. CO'S SUPERIOR MARKET — (76 days.) The finest shipping carrot in cultivation. Its attractive bunching appearance makes Superior Market sell on sight. Roots: 8 inches long, 2 inches thick at top; with sloping shoulder, tapered to a semi-blunt end, very uniform. Flesh: rich orange color, fine grained, scarcely noticeable core, tender, and of delicious flavor. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid.

MARKET GROWERS:
Ask for Special Price List.

176. NEW STREAMLINER — A modern bunching carrot of such handsome proportions it has become a leading profit maker "overnight" for shippers and market growers. Tops short, dark green, with strong stems. Roots: 10 inches long, slender, nearly cylindrical, grow completely underground. Color very deep orange with small, red core. (See inside back cover.) Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.25, prepaid.

172. NANTES CORELESS HALF LONG — (69 days.) Customers who do not like ordinary carrots are delighted with these. They have a distinct flavor and tenderness all their own, and when half grown they are a rare delicacy on any table. Roots: 6 inches long, bright orange, cylindrical, blunt ended. Flesh: reddish-orange, crisp, tender, and of very delicate flavor; practically coreless. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid.



172. NANTES CORELESS—PKT. 8c



175. EARLY CHANTENAY—PKT. 5c



176. NEW STREAMLINER—PKT. 10c



170. SUPERIOR MARKET—PKT. 8c

Carrots
for Stock Feeding
Easily Grown. Heavy Yields.

60c POUND
Prepaid

Sow seed in drills 3 feet apart, using about 4 pounds per acre. Large yield from small pieces of ground. Tonnage per acre enormous.

185. YELLOW BELGIAN — (95 days.) A heavy cropper, easily harvested. Best results in deep soil. Sow 4 pounds to the acre. Roots: 10 to 14 inches long, 3 to 4 inches thick at top; skin: green above ground, pale yellow below. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 60c, prepaid.

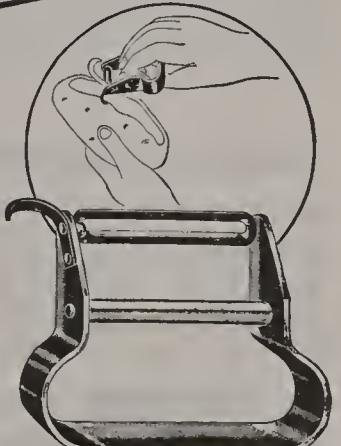
175. EARLY CHANTENAY OR MODEL — (71 days.) An excellent all-purpose, medium-early variety, desirable for home and market garden, and for canning diced carrots. Roots: 6 inches long, deep orange, smooth tapered, stump rooted. Flesh: deep orange with indistinct core. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, prepaid.

174. OXHEART OR GUERANDE — (72 days.) Desirable for home use, prolific and a good keeper. When fully mature used for stock feeding. Excellent table quality when young. Roots: 4 to 5 inches long, 2 $\frac{1}{2}$ -inch shoulder; bright orange, thick, blunt-ended, heart shaped. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, prepaid.

173. IMPERATOR — (77 days.) A truly outstanding type for market and shipping. Tops medium, but strong enough for good bunching. Roots: 8 inches long, 2-inch sloping shoulder; uniformly tapered to semi-blunt end. Flesh: rich orange color, extending to center, with indistinct core; fine grained, and tender. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid.

ONLY
25c
Prepaid

Same
Tool
in
Stainless
Rustless
Duralumin
35c



KITCHEN WONDER TOOL
PEELS—SLICES—SHREDS

America's cleverest, most practical gadget actually makes peeling a joy. Takes out the work, as it takes off a thin peel from fruits or vegetables. Peels quicker than a knife. Peels potatoes, and removes the eyes and decayed spots quickly. A scientific tool with tempered steel blade. Saves your fingers from stain, saves you from hard work in peeling Potatoes, Carrots, Cukes, Apples, etc. It strings Beans and Celery, shreds Cabbage, Chocolate or Soap.

FINEST

American and
Danish Grown

CABBAGE SEED

One ounce will produce about 2,500 plants. $\frac{1}{4}$ oz. of seed for 50 ft. row.

PLANTS!

FROSTPROOF
AND
TRANSPLANTED
CABBAGE
PLANTS
On Page
27.



121.
EARLY
JERSEY
WAKEFIELD
PKT. 5c

Late Cabbage

142. PENN STATE BALLHEAD

(110 days.) Developed by Penn State College of Agriculture. This late cabbage is the heaviest yielder and the most uniform of all. Especially desirable for winter storage and for kraut. Heads: Large, attractive, flattened globe-shape. Extremely hard. Weighing 15-20 lbs. each. Shows resistance to blackleg. Pkt. 8c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50, prepaid.

144. PREMIUM LATE FLAT DUTCH

(100 days.) Slow growing, sure heading, of immense size and splendid quality. A favorite for market growing or for winter storing. Head: 10 to 12 inches thick, 7 inches deep, weighs 12 to 14 lbs.; extremely large, flat and solid. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.75, prepaid.

141. DANISH ROUNDHEAD

(95 days.) An early, short-stemmed strain of Danish Ballhead. In yield, head size and quality it is similar to Danish Ballhead, however, it is 10 days earlier and has a shorter stem. Pkt. 8c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.25, prepaid.

Yellows Resistant Sorts

134. HOLLANDER, WISCONSIN NO. 8

(100 days.) A splendid late cabbage for storage, shipment and kraut manufacture. A heavy yielder on land infested so badly with yellows disease that other varieties fail completely. Head: 8 inches thick, weighs 8 lbs., large, almost globe shaped, very firm. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, prepaid.

137. WISCONSIN "ALL SEASONS"

(90 days.) An excellent kraut and winter keeping sort—valuable in areas infested with "Cabbage Yellows"—also resistant to wilt and will survive heat and drought. Head: 11 inches thick, 8 inches deep, weighs 9 to 10 lbs. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 85c, lb. \$2.95, prepaid.

NEW EARLY DISEASE RESISTANT

CABBAGE

135. MARION MARKET (75 days.) Also known as Wisconsin Copenhagen as it is the Yellows Resistant strain of Copenhagen Market which matures early and uniformly. The round solid head averages 7 inches thick, weighs 4 pounds, has short stem. Good for early kraut. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, prepaid.



135. MARION MARKET (Yellows Resistant)

DIRECT from DENMARK

Home of Finest Strains of

Cabbage Seed

140. DANISH BALLHEAD (TRUE HOLLANDER) (105 days.) The finest late cabbage grown. The head is of an attractive white color, does not burst, and of exceptional flavor, crispness and tenderness. It survives both cold and dry-hot weather. Keeps throughout the winter. For shipping, storage or kraut—it is unsurpassed. Head: 8 inches thick, weighs 6 to 7 lbs., round and extremely solid. Pkt. 8c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.35, prepaid.



Treat Cabbage Seed
with SEMESAN
for Bigger and
Better Crops. See
details on Page 16.

Finest Danish Grown Cauliflower

One ounce of seed will furnish 2,500 to 3,000 plants.

CULTURE: Sow the seed in flats or hotbeds, in a rich soil composed of equal parts of garden soil, leaf mould, and sand. Seed may be started in February or March. Transplant to other flats, or to paper pots, when the plants are 2 or 3 inches high. Set outdoors as soon as weather permits, 2 to 3 feet apart each way. The soil should be rich, containing plenty of humus matter and moisture. While the heads are form-

ing, water freely, and apply liquid manure or light dressing of nitrate of soda and potash. When the heads have formed and are hard, tie up the outer leaves to blanch the heads. Cauliflower needs cool, rather damp weather and will not form good heads in a dry, hot season or in dry sections.

PLANTS!

Cabbage,
Cauliflower,
Celery Plants,
on Page 27.



Super Snowball Cauliflower brings highest market price.

166. SUPER SNOWBALL CAULIFLOWER—(52 days.) An extra early strain of the famous Snowball with particularly attractive pure white, solid heads. Excellent for forcing or general field culture. Its early and even maturity and unsurpassed quality brings a premium on any market. Heads: 6 to 7 inches thick. Pkt. 15c, $\frac{1}{4}$ oz. 50c, $\frac{1}{2}$ oz. 90c, oz. \$1.65, $\frac{1}{4}$ lb. \$6.00, postpaid.

165. DRY WEATHER OR DANISH GIANT—(67 days.) A variety well adapted to dry weather conditions. It is later than Early Snowball and of larger growth. Heavy foliage fully protects the heads, which are less liable to blight in hot weather. Dry Weather requires less moisture than other sorts, yet quality is superb. Head: 6 to 8 inches thick, weighs 2 lbs., hard, creamy white and of delicious flavor. Pkt. 10c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 60c, oz. \$1.00, $\frac{1}{4}$ lb. \$3.75, prepaid.

Chinese Celery Cabbage

157. NEW CHIHILI—An exceptionally fine Chinese Cabbage. Early growing and sure heading, resembling Cos Lettuce, producing large, solid white heads of upright growth, torpedo shaped, long and pointed at the top, about two feet in height. Leaves are broad, compact, tightly folded and beautifully white and very crisp. Sow after July 1st to avoid flowering. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.75, prepaid.

158. WONG BOK—The largest of the Chinese Cabbages, a little shorter and thicker than the "Chihili" variety, and will not go to seed readily. Delicious as a salad vegetable.

Heads are thick, oblong, with tightly folded, crisp, white leaves, as tender as those of head lettuce. The flavor is that of very solid cabbage, blended with celery. Do not sow until July to avoid flowering. It makes a delicious salad, sliced and served with French dressing. Boiled like cabbage, Celery Cabbage is especially fine. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.65, prepaid.

159. CHINESE CELERY CABBAGE (For Poultry)—A new cheap, green feed of great value for poultry, more productive than lettuce, spinach or mangels. Sow the seed in rows $\frac{1}{2}$ inch deep and 24 inch apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50, ppd.

Chinese Celery Cabbage. New Chihili.

MARKET GROWERS: Ask for SPECIAL PRICE LIST

Superior—CELERY—Strains



198. MICHIGAN GOLDEN CELERY

CULTURE: Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows.

To blanch celery, hill up the stalks with earth, but do not let any dirt fall into the hearts of the plants, and do not work at it while wet. Celery may also be banked with boards pushed close to both sides of the rows. For winter store in cellar.

195. SELECT GOLDEN SELF BLANCHING—(118 days.) Best for early table use, and most popular for market. Bleaches as well as any yellow variety. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness and of fine flavor. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, prepaid.

New Michigan State College Strain

198. MICHIGAN GOLDEN—(Yellows Resistant Strain.) A new strain of self-blanching Celery highly resistant to yellows or root rot. It is intermediate in type between Tall Golden and Golden Plume. It has shown unusual resistance to yellows on infested soils. Recommended by Michigan State College. Pkt. 15c, $\frac{1}{2}$ oz. 75c, oz. \$1.35, $\frac{1}{4}$ lb. \$5.00, prepaid.

May 19, 1939.

I certainly was satisfied with all my trees that I received from you. They are in bloom and it is only two years since I planted same.

Mrs. John B. Lambillotte,
Mount Vernon, Ohio.

The Wayzata Strawberry Plants are the best plants I've ever had and I will surely tell my friends about your nursery stock.

Anna E Paulson,
Detroit Lakes, Minn., R. 2.

May 17, 1939.

The Dorsett Strawberry Plants I got last spring look fine and they are real plants. It always pays to buy the best and you always get the best from the Farmer Seed and Nursery Company of Faribault, Minn.

Wm. C. Elliott,
Lake Benton, Minn.

—BY THEIR FRUITS SHALL YE KNOW THEM—

May 13, 1939.

I received my nursery shipment and it was in excellent condition. The plants were all strong and vigorous looking and I think they will all start for me. I am very proud of the Blue Spruce as it is a magnificent little tree; well formed and sturdy.

J. P. Harlow,
Redfield, S. D.

BETTER SWEET CORN



NEW IOWANA—1940 All America Winner, Pkt., 10c.

HYBRID SWEET CORN

246. NEW IOWANA—All America Winner. A new midseason 12 to 14-rowed light yellow hybrid sweet corn developed at the Iowa State College. Similar to Bautam Evergreen. Produces a vigorous plant, resistant to lodging and wilt, and withstands heat and drouth. The uniform cylindrical ears are 8 inches long with deep kernels of finest flavor. Valuable for home garden and canning. Price: Pkt. 10c, $\frac{1}{2}$ lb. 25c, lb. 45c, 2 lbs. 80c, 5 lbs. \$1.75, prepaid.—Not prepaid, 15 lbs. at 27c per lb.

MINHYBRID 203—8 days earlier than normal Golden Bantam. No finer table quality obtainable. Absolutely no other corn so sweet and tender. A real gold mine for the market grower who specializes in quality. Top prices when folks are hungry for Sweet Corn. The home gardeners also can't go wrong on this. Ears: 6 to $6\frac{1}{2}$ inches long, 8-rowed, yellow, maturing evenly. Plant: somewhat shorter and yield is better than that of normal Bantam. Prices below.

MINHYBRID 202—5 days earlier than normal Bantam but still surpassing it in both quality and yield. Produces 15,000 marketable ears per acre! Fancy quality, extra tender, with high sugar content. Ears: 6 to 8 inches long, 8-rowed, with a few ears 10-rowed; kernels medium, large, yellow. All ears mature uniformly. Prices below.

MINHYBRID 201—About a week later than Golden Bantam, but far outstripping it in yield. This hybrid still has the same high quality of normal Bantam. Gardeners and canners—think of getting 18,000 marketable ears per acre! Ideal for whole ear pack. Ears: 5 to 7 inches long, 8 to 10-rowed. All ears maturing evenly—kernels medium sized, golden yellow. Prices below.

244. GOLDEN CROSS BANTAM—(84 days.) An extra heavy yielding Golden Bantam hybrid favored by the leading canning factories. Famous for its large ears, uniformly filled with tender golden kernels of high sugar content. Well adapted to market growing. Stalk 6 ft. high, ears 8 inches long, 10 to 14 rowed. Prices below.

NO. 222

Summer Long Hybrid Blend

Hybrid Sweet Corn is without a doubt the finest in eating quality. However it has one drawback for the home garden as it matures very evenly—making a short picking season. To overcome this we offer a special mixture of the hybrids described above. Plant a patch to this superb mixture all at one time, it will supply you with sugary sweet corn maturing continuously in 65 to 90 days. Prices below.

A pound will plant 200 to 300 hills; use 10 to 15 pounds per acre.

NO. 200 STANDARD

All Summer Sweet Corn Collection

Pick fresh Sweet Corn throughout the summer. How good that flavor can be if picked just an hour before using! Here's a collection that can be planted at one time and will supply your table all summer.

- A—Early Golden Gem. Extra early.
- B—Golden Bantam. Medium early.
- C—Stowell's Evergreen. Popular late, white.

3	Pkts., 1 each of above	15c
1 $\frac{1}{2}$	Lbs., $\frac{1}{2}$ lb. each of above	49c
3	Lbs., 1 lb. each of above	85c
— All Postpaid —		

CULTURE: A rich warm soil will give the best results. Work soil thoroughly before plowing. Plant in hills 3 to $3\frac{1}{2}$ ft. apart each way, or sow in rows $3\frac{1}{2}$ ft. apart, placing the seed about 8 inches apart in the rows. Plant as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.

Early Standard Strains

226. GOLDEN BANTAM—(70 days.) To most home gardeners, Sweet Corn means Golden Bantam. Also desirable for trucking and canning. It is medium early, dependable and of wonderful quality. Ear: $6\frac{1}{2}$ inches long, 8-rowed, Kernels broad with tender hull, sweet and of exceptionally fine flavor. Stalk: 5 to $5\frac{1}{2}$ feet high. Pkt. 5c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.

223. EARLY SUNSHINE—(66 days.) Another noteworthy development of the North Dakota Experiment Station. An early yellow variety, with a larger ear, and about 5 days ahead of Golden Bantam. Highly prized by market growers and excellent for home garden. Flavor, tenderness and quality are superb. Ear: 7 inches long; kernels golden yellow, sweet, tender and of good flavor. Pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

228. EXTRA EARLY GOLDEN GEM—(60 days.) Originated by the North Dakota Agr. College. Now the long-looked-for time when luscious corn on the cob may be enjoyed has been advanced 10 to 12 days, for Golden Gem is ready that much earlier than its grandparent, Golden Bantam. It is proving a gold mine to market gardeners in reaching the earliest market. Ear: 6 inches long, 8 rowed; kernels deep yellow, tender, exceptionally sweet and of good flavor. Pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.30, prepaid.—Not prepaid, 15 lbs. at 20c per lb.

227. GOLDEN EARLY MARKET—(67 days.) Also known as Golden Hummer. One of the finest extra early yellow varieties for market. Ears have strong husks, 8 to 12 rowed and $6\frac{1}{2}$ inches long. Kernels are golden yellow, tender, sweet and of good flavor. Stalk: 5 ft. Very heavy yielding for such an early sort. Fine for home gardens also. Pkt. 5c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.25, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

245. EARLY GOLDEN SWEET—(54 days.) To develop an extra early variety with the quality of Bantam, has taken many years. Early Golden Sweet proved to be the best of many tested. It gives you Bantam quality—almost two weeks earlier. Pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.30, prepaid.—Not prepaid: 15 lbs. at 20c per lb.



Minhybrid 202 (above)—highest sugar content. PKT. 10c.



Early Sunshine.

PRICES—ALL HYBRID SWEET CORN: (EXCEPT IOWANA)

Your choice of any Hybrid variety. Pkt. 10c, $\frac{1}{2}$ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.50, prepaid.—Not prepaid 15 lbs. and over at 25c per lb.



Late Sweet Corn

235. GOLDEN COLONEL—(Golden Country Gentlemen)—(93 days.) Delicious golden yellow, sugar-sweet corn, in prime eating stage, when there is nothing but white corn on the market. A cross between Country Gentlemen and Golden Bantam with the late maturity, nectar sweetness, and juicy tenderness of Country Gentlemen, plus the deep golden yellow color and delicious flavor of Golden Bantam. The "shoe-peg" kernels are set in zig-zag pattern. Pkt. 5c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid 15 lbs. at 18c per lb.

234. OREGON EVERGREEN—(87 days.) A medium late variety which has long been a favorite on the Pacific coast. It has recently been found to produce successfully in the Middle West. We ask canners, home and market gardeners to try this corn. Ear: 7 $\frac{1}{2}$ to 9 inches long, 14 to 18-rowed, medium thick; kernels clear white, medium length, sweet and of good flavor. Stalks: 7 to 7 $\frac{1}{2}$ feet. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.



242.

Stowell's
Evergreen

The
Most
Popular
Old
Favorite
Late
White
Sweet
Corn

242. STOWELL'S EVERGREEN—(90 days.) The most popular late variety of Sweet Corn. Highly desirable for home or market gardening or for canning. Holds its prime condition at eating stage a long time. Ear: 9 inches long, 16 to 20-rowed; kernels clear white, deep medium width, sweet and tender. Stalk: 8 to 10 feet high, sturdy and erect. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.

243. COUNTRY GENTLEMAN—(93 days.) Here is a late, prolific variety of excellent quality, used widely by canners; also very desirable for home and market gardens. Ear: 7 $\frac{1}{4}$ inches long; kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation. Stalks: 7 $\frac{1}{2}$ feet high, often bearing 2 ears. Pkt. 5c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

TREAT ALL YOUR SEED CORN

BARBAK C., the super corn seed disinfectant. Four ounces is sufficient to treat two bushels of corn. Increases germination and stand, and insures vigorous seedlings. See page 70 for details. We offer treated Sweet Corn in 5-lb. lots and over at 2c per lb. extra.



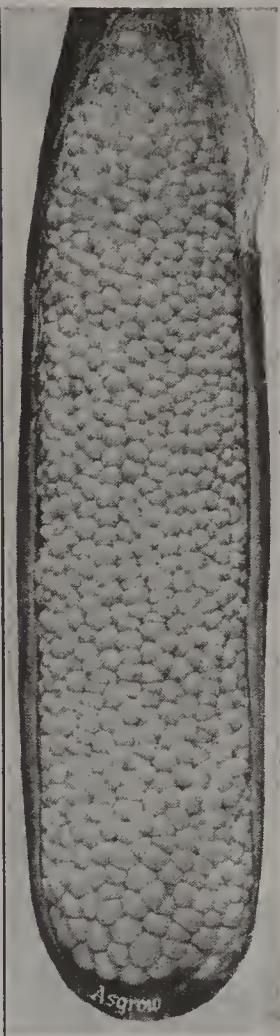
Use "Master Ear Worm Dust"

Remember what a time you had with ear worm in your sweet corn in the past? Well here's an easy, inexpensive way to put a stop to the ravages of the corn ear worm this year.

Merely apply "MASTER EAR WORM DUST" when the silks begin to appear. Apply every 10 days until 2 or 3 applications have been made.

"MASTER EAR WORM DUST" is very easily and quickly applied, and saves its cost tenfold in enabling you to produce a perfect crop of sweet corn. Full instructions on every package. (Use 40 to 50 lbs. per acre.)

Prices: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 100 lbs. \$5.00.



235. Golden Colonel

Latest Triumphs in POP CORN Breeding

Pop Corn a Profitable Crop

Pop corn is a profitable crop for which there is always a good demand. An excellent crop for the boys and girls to grow. Produces almost as much good fodder as field corn.

Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1 $\frac{1}{2}$ feet apart in the rows. We have discarded all but the outstanding varieties. Such old timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.

250. NEW HYBRID JAP HULLESS—Here is the last word in pop corn—the latest triumph of the Minnesota Experiment Station, far surpassing standard Jap Hulless in yield and popping expansion. Records show 16% greater yield per acre. Its most amazing feature is apparent when the corn is popped, for it expands to a surprising volume (measured at 29% more than ordinary Jap Hulless). This huge popping volume makes this the most highly prized corn for popping and commercial use. We do not hesitate to recommend it as the finest pop corn obtainable from the standpoint of quality, flavor and tenderness. Pkt. 8c, $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 35c, 2 lbs. 55c, 5 lbs. \$1.25, prepaid.—Not prepaid, 25c per lb., 5 lbs. and over at 20c per lb.

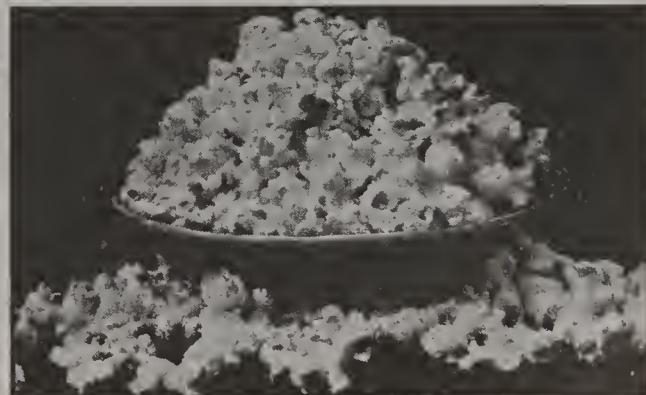
249. JAPANESE HULLESS—This dwarf corn is used extensively by pop corn venders. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Japanese Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. 2 $\frac{1}{4}$ -oz. pkt. 5c, $\frac{1}{2}$ lb. 10c, lb. 18c, 2 lbs. 30c, 5 lbs. 70c, prepaid.—Not prepaid, 15 lbs. and more at 12c per lb.



New Hybrid Jap Hulless.
(Minhybrid 250)

248. BURBANK GOLDEN AMBER—A new golden yellow pop corn of exceptional tenderness, surprisingly early and about the finest quality of any butter colored pop corn we have discovered so far. In seasons when all corn carried excess moisture, Burbank was fully matured and in popping condition by November 1. An average ear makes a popper full of the finest flavored corn you ever tasted, and of a golden butter color. Ears average 7 in. long, diameter 1 $\frac{1}{4}$ in. A most profitable and prolific variety for the Northwest and a popping corn that poppers will be eager to learn about. Price: Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. and more at 16c per lb.

252. "FARIGOLD" SOUTH AMERICAN YELLOW—A real Pop Corn sensation—pops the largest kernels of any variety—has a rich golden butter color—very fine flavor—crisp and tender. The ears are much larger than other varieties—7 to 9 inches long and the kernels are golden yellow color. It is the most profitable variety to grow as it produces more bushels per acre on account of its large ears. This Pop Corn is of South American origin. We have successfully matured our own special seed crop here in Minnesota so that the seed we offer will mature earlier. Northern Strain: Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid 15 lbs. and more at 16c per lb.



Eat More Pop Corn (Not Suitable for Seed)

PRICE, NOT PREPAID:

	5 lbs.	10 lbs.
Japanese Hulless.....	\$0.35	\$0.65
New Hybrid Jap Hulless.....	.50	.90
"Farigold" So. Amer. Yellow, Southern Grown.....	.40	.75
Burbank Golden Amber.....	.40	.75

Postage on 5 lbs. to third zone (300 miles) 17c, on 10 lbs. 27c.

→
"Farigold"—
large, buttery
kernels of
delicious
flavor.

Crisp Cucumbers

for Slicing and Pickling

One ounce will plant 50 hills; three pounds per acre.

Note: Days from planting to picking are listed here. The letters W. S. and B. S. indicate the white spined and black spined varieties.

CULTURE—Cucumbers require rich soil. Plant the seed in low, flat hills, 5 to 6 feet apart each way, allowing 12 to 15 seeds per hill. Cover with three-fourths of an inch of finely pulverized soil. Thin out all but 4 or 5 of the strongest vines to a hill.



This is
F. S. & N. Co's. Earliest Pickling,
finest of all pickling varieties.

For Slicing and Salads

256. STRAIGHT EIGHT—All America Gold Medal Award Winner. This new introduction produces symmetrical, almost cylindrical fruit—well rounded at both ends. A White Spine variety running quite straight, regularly 8 inches in length and from 1 3/4-2 inches in diameter. Color: deep green. A vigorous grower and remarkably productive. Pkt. 8c, oz. 15c, 1/4 lb. 35c, lb. \$1.20, 2 lbs. \$2.00, prepaid.

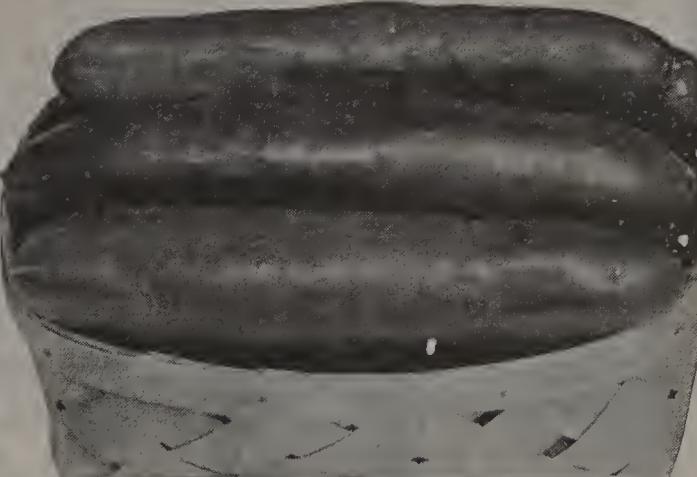
259. NEW "A & C" OR COLORADO—W. S. (60 days.) A long, slender cucumber of excellent shape and intense dark green color. The fruits are 8-9 inches long and average 2 inches in diameter; they hold their color longer than any other type. Seeds form late in the season and are few. Pkt. 10c, oz. 20c, 1/4 lb. 50c, lb. \$1.60, prepaid.

260. IMPROVED LONG GREEN—(70 days.) (Black spined.) This is a standard late variety for home garden; excellent for slicing; hardy and prolific. Dependable. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

270. DAVIS PERFECT—(65 days.) W. S. An excellent mid-season variety for shipping or home table use. Splendid quality and appearance. Fruit: 9 to 10 inches long, 2 1/2 inches thick, weight 2 lbs.; dark green, tapered at both ends; flesh crisp and of good quality. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

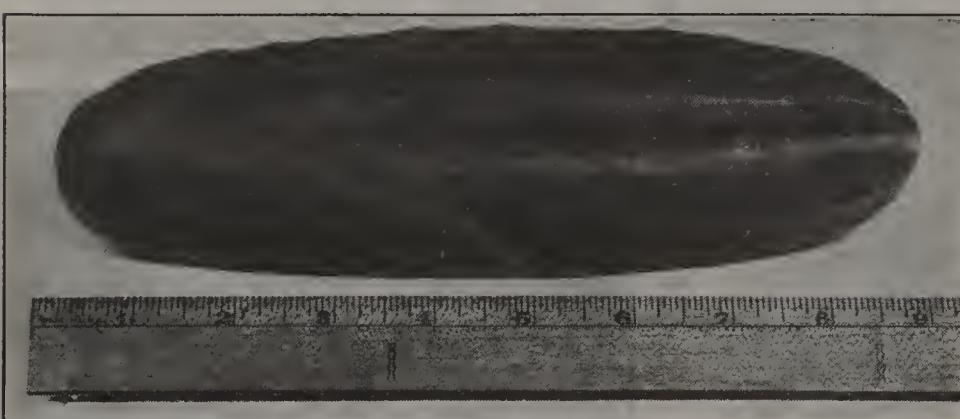
271. EVERGREEN WHITE SPINE—(65 days.) Another excellent variety for home or market gardening, of about mid-season maturity. Similar to Davis Perfect, but larger. Fruit: 10 1/2 inches long, 2 1/2 inches thick; weight 2 1/4 lbs.; slightly tapered, uniform, dark, shiny green. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

272. THE LONGFELLOW—(70 days.) W. S. (Vaughan.) Ideal for home garden, forcing or shipping. One of the best long, late varieties. Excellent quality. Perfectly uniform, long, slender shape. Fruit: 12 to 15 inches long, 2 3/4 inches thick; weight 2 3/4 lbs., dark green, symmetrical and attractive. Holds color and crispness well after picking. Pkt. 8c, oz. 10c, 1/4 lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.



The new Cucumber "A and C," holds its beautiful dark green color longer than any other variety.

278. NEW "TAXPAYER CUKE"—(Early.) W. S. This striking new cucumber is uniformly nine inches in length, with tapering ends and of an intense dark green color. Produces cucumbers over a long period of time, and many of them. Developed from Early Fortune which was the best seller of all White Spines because of its extreme earliness, and abundant yields. Pkt. 10c, oz. 15c, 1/4 lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.



TAXPAYER—for pickling when small, for slicing when grown.

Water Your
Garden with
SOIL-SOAKER
See Page 76

For Pickling

255. F. S. & N. CO'S EARLIEST PICKLING—(53 days.) The finest strain of pickling cucumber. It is early, exceptionally vigorous and hardy, and highly productive. Its quality is unsurpassed. Fruit: 9 inches long, 2 1/2 inches thick, straight, smooth, symmetrical, of dark green color; quality and flavor excellent. (See front cover.) Pkt. 8c, oz. 15c, 1/4 lb. 35c, lb. 90c, 2 lbs. \$1.70, prepaid.

257. CHICAGO PICKLING—(59 days.) B. S. (Westerfield Pickling.) Most widely used of the pickling varieties. Also good for slicing. Fruit: 6 1/2 inches long, 2 1/2 inches thick, medium green, square ended, attractive and prolific. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

258. EARLY RUSSIAN—(52 days.) The earliest cucumber in cultivation. Can be picked early for bottle cucumbers or allowed to grow just a few days longer for first early slicers. Very even, smooth, tender, crisp. Hardy and free from disease. Black spines. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 90c, 2 lbs. \$1.70, postpaid.

261. EVERBEARING—(55 days.) B. S. A small, very early variety used for early pickles. Its outstanding feature is that the vines continue to bear throughout the growing season. Fruit: 4 1/2 inches long, 2 inches thick; weight 1 1/4 lbs., chunky. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

All-Season

Cucumber Collection

1 pkt. Earliest Pickling.
1 pkt. New Taxpayer.
1 pkt. New "A and C." 25c
ppd.

For
Dill
see
Page
26

Protect Melons & Cucumbers

KILL THE STRIPED CUCUMBER BEETLE

These 1/4-inch long beetles, with 4 yellow and 3 black stripes on the back, are found in the flower or unfolding leaf tip or near base of plant where they gnaw stalk. They do tremendous damage annually. Kill these beetles by merely dusting on Non-poisonous Rotenone Garden Guard, offered in 1 lb. sifter top can postpaid. Safe to use.

ROTELONE GARDEN GUARD 40c POSTPAID



Tender Lettuce from Your Own Garden

1 oz. will sow 150 ft. of row; 4 lbs. plant an acre.

Note: The letters B.S. and W.S. refer to the black seeded and white seeded varieties.

Crisp Head Lettuce

CULTURE—For early crops start seed in March in the hotbed, covering $\frac{1}{4}$ inch. When seedlings are 2 inches tall, transplant to coldframes, setting them 4 inches apart each way. When the ground is warm enough transplant to garden, setting plants 1 foot apart, in rows 12 to 16 inches apart. For general crop, make successive sowings during April and May, thinning plants to proper distance apart. For a fall crop, sow seed in August, to head during the cool weather of September and October.

331. ALL SEASONS—B.S. (75 days.) A highly prized variety for home or market garden. Does well in hot summer weather. Plant is large with medium dark thick leaves and with large, round, firm butter-head which is deep yellow inside and of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

332. F. S. & N. CO'S MAY KING—W.S. (61 days.) The earliest heading variety—for the first outside planting. Leaves: light green, tinged with brown. Head: small, compact, with golden yellow interior and buttery flavor; of fine quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

335. CRISP-AS-ICE—B. S. (74 days.) A popular sort for the home garden. Forms compact medium-sized head, well blanched and of delicate flavor. Leaves thick and crumpled; deep green overlaid with dark brown, giving a bronze appearance. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

338. WONDERFUL, NEW YORK OR LOS ANGELES—W.S. (80 days.) The outstanding shipping variety, known in all markets. Flavor and tenderness are combined with unusual keeping qualities. Our special strain is noted for the large size of heads. The dark green leaves are slightly curled on the edges. The large, tightly folded cabbage-like head is well blanched, crisp and sweet. Quality is excellent. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 40c, lb. \$1.35, 2 lbs. \$2.50, prepaid.

340. MIXED LETTUCE SEED—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

339. NEW IMPERIAL NO. 44—W.S. (83 days.) Heads very large, solid, crisp and sweet; leaves light green and crumpled, with edges curled and waved. Imperial does well under varying weather conditions, and is somewhat resistant to brown blight and mildew. An excellent shipper. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid.

MARKET GROWERS
Ask for Special Price List.



339. NEW IMPERIAL No. 44—a popular new type, crisp, tender and delicious.

341. CHICKEN LETTUCE—Chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.60, prepaid.

GRAND RAPIDS—
finest Loose Leaf Lettuce.

Leaf Lettuce

CULTURE—Sow as early in spring as the ground can be worked, in rows 12 inches apart; cover seed $\frac{1}{4}$ inch. A rich, sandy loam is best. When plants are 3 or 4 inches tall, thin out to stand 6 inches apart. For early crop, start in hotbed in early March, later transplanting the seedlings to coldframes, or to a sheltered position in the garden. If lettuce is cut above the crown, it will grow new leaves.

325. GRAND RAPIDS—B.S. One of the most popular loose-leaved varieties. Excellent for early planting and greenhouse forcing. It is very early, hardy, and disease resistant and is exceptionally tender when grown under glass. Handsome leaves are light green, broad, wavy, curly and heavily fringed. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

326. BLACK SEDED SIMPSON—Early and dependable in all parts of America. Popular in many home and market gardens. Plant is large, attractive, compact, non-heading. Leaves are light green, broad and frilled; of fine, crisp texture and quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

327. SIMPSON'S EARLY CURLED—W.S. The most widely used home garden variety. Early, hardy, dependable. Plant is large, compact, lustrous green, non-heading. Leaves broad, frilled, firm, very crisp and sweet—of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

329. PRIZEHEAD—W.S. A very early, quick growing, non-heading sort which is rapidly becoming the most popular loose-leaf variety for home gardens. Leaves are broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

Mushrooms
from Spawn.



Mushroom Spawn

Folder With Full Information Free.

American Pure Culture—This spawn is obtained by selecting spores from individual specimen mushrooms, and is propagated and transferred to bricks of manure, which will produce mushrooms true to type with exceptional uniformity and regularity. Bricks weigh about $1\frac{1}{2}$ lbs.; a brick will spawn a bed 4 feet square. Pamphlet on mushroom culture with every order.

To grow mushrooms on the lawn, break up the brick of spawn into inch square pieces. Have ready some fresh horse manure, and place a trowel full under the sod at intervals about the lawn. Put a piece of spawn on the manure, and replace the sod. Do this in May. After the warm rains, the lawn will be full of mushrooms.

Price: Brick, 40c, prepaid.—Not prepaid: 5 bricks, \$1.65; 10 bricks, \$2.75.

NOTICE: Bird Lovers

—PETAMINE—

The Wonder Food For Canaries

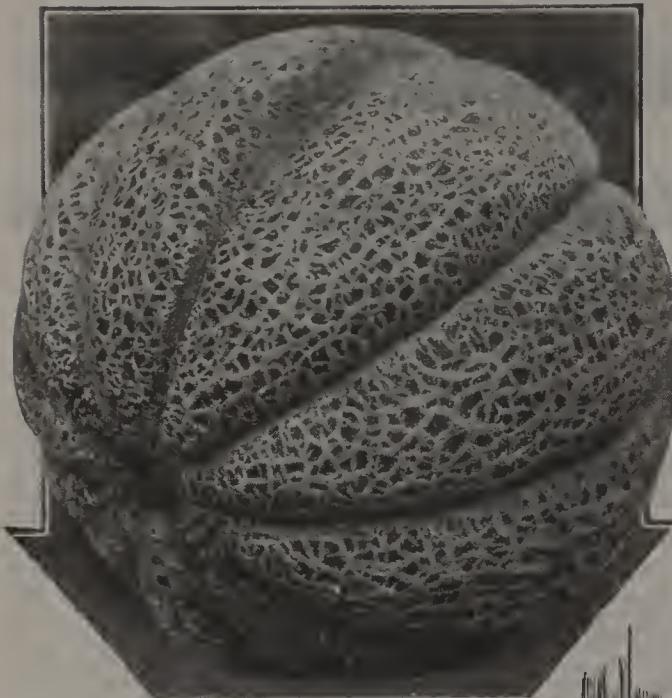
There is no other bird food on the market like Petamine. It's a scientific tonic that works wonders—a complete balanced ration that will keep your birds healthy, and give unbelievable results. It promotes better song, increased vigor and vitality, and more brilliant plumage. Used by the best bird breeders of this country, and a trial will convince you. If you don't feel fully satisfied with this wonder food—return it and get your money back.

Price: 5-oz. pkg. 30c, 1 lb. 70c, 2 lbs. \$1.15, 6 lbs. \$2.15, prepaid.



Muskmelon

fresh from!
the vine!



359. Early Lake Champlain. Pkt. 5c

359. EARLY LAKE CHAMPLAIN—75 to 80 days. Absolutely the earliest of all orange fleshed melons. Fine flavor and quality. A very good early market and home garden variety. Fruit: nearly round, 5 to 6 inches in diameter, slightly ribbed and covered with an open, moderately coarse netting. When fully ripe, fruits show a golden yellow color through the netting. Flesh: fairly thick, deep orange-salmon in color, juicy and very sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

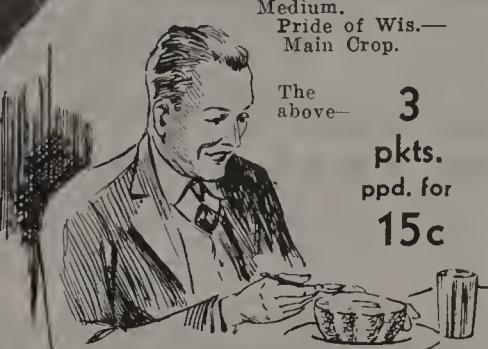
360. OSAGE OR MILLER'S CREAM—92 days. A popular old favorite for home or market growing—and a good yielder of exquisite flavored melons. Fruits are oval or egg shaped with slight ribs and netting and dark green skin when immature, ripening to mottled orange and green. Melons are 7 inches long, weigh 5 lbs. Small seed cavity with very thick, firm, pink flesh of spicy flavor. Carries well in shipment. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.



360. OSAGE or MILLER'S CREAM
PKT. 5c

Green Fleshed Melons

350. MINNESOTA MELTING SUGAR—86 days. The sweetest richest flavored of all green-fleshed muskmelons. Fruit: oval in form, distinctly ribbed and heavily netted. Flesh: very firm, of green color, exceptionally sweet, sugary, juicy and tender, with rich aromatic flavor. Vines yield an abundant crop of uniform sized melons, early in season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.



356. PRIDE OF WISCONSIN with
extremely thick flesh and hard rind. Pkt. 10c

Muskmelons and cucumbers do not mix if grown close together.



357. SUGAR or HONEY ROCK—an attractive melon of distinct, spicy flavor. Pkt. 5c

356. PRIDE OF WISCONSIN—90 days. A most attractive new melon, on the outside and when cut. Similar to Honey Rock but heavier and has harder rind, much thicker flesh (which does not soften when mature), and small seed cavity. Therefore a better shipper and keeper than Honey Rock. Rind: very hard, pearly grey, with heavy netting. Flesh: very thick, of good flavor and rich orange color, with compact seed cavity. (See inside back cover.) Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 40c, lb. \$1.45, prepaid.

357. SUGAR OR HONEY ROCK—85 days. A money-maker and a source of pride for every grower. Handsome in appearance, distinctive in flavor. Sweet as sugar, solid as a rock and easy to grow. Fruit: nearly round, about 6 inches in diameter. Weight: 4 lbs. Skin grey-green, covered with coarse netting. Flesh: thick, juicy, orange color, with fine flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

358. HALES BEST—80 days. Popular early shipping cantaloupe. Flavor and quality excellent, and withstands drought. Can be shipped long distances. Fruit: oval, 6 $\frac{1}{2}$ inches long, almost devoid of ribbing, covered with heavy netting. Flesh: extremely thick, orange color, sweet and of fine flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

363. GOLDEN DELICIOUS—88 days. Resembles Bender's Surprise but is extra early, ripening just after Lake Champlain. Light green, finely netted, oval fruits. Firm, tender flesh of a deep orange-yellow color. Of surprisingly sweet flavor. Weight: 5 lbs. Contains large quantity of luscious sweet flesh. The hard rind makes them carry well in shipment. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

364. HEARTS OF GOLD—95 days. Grown extensively by market gardeners. A good shipping type. Follows the earlier varieties. Quality is splendid. Fruit: 6 inches thick, practically round, covered with fine netting. Flesh: very thick, deep pink, tender, juicy, sweet and aromatic. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

349. MILWAUKEE MARKET—87 days. A delicious large orange fleshed sort; slightly oval in shape, heavily netted and with prominent ribs. Flesh: salmon colored, thick and firm, and of aromatic flavor. Medium early, producing ripe melons late in August. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.



THE BEST Watermelons

Four ounces will plant 100 hills; sow 4 to 5 pounds per acre.

CULTURE—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the 3 strongest plants in each hill.

Try a Melon Surprise!



EARLY KANSAS—Super Quality and Size

369. EARLY KANSAS—(Also known as Red Russian or Red Seeded Hutchinson.) (85 days.) A new melon of genuine merit. It has suddenly become very popular on the markets of the Midwest, due to its earliness combined with large size, and its attractive appearance—plus fine quality. The skin is dark green with alternate stripes of a lighter shade. The rind is of medium thickness—well suited for carrying reasonable distances—and the flesh is a rich red color, of delightful flavor. Average size 15 by 13 inches; weight 40 lbs. Seeds brown. (See inside back cover.) Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 45c, lb. 80c, prepaid.

(See inside back cover.)

8c per Packet prepaid



374 NORTHERN SWEET—70-75 Days. Pkt. 8c

374. EARLY NORTHERN SWEET—Here's the newest thing in watermelons for the North. Introduced by Minn. Experiment Station, and the seed was originally brought in from Russia. This amazing melon ripens in 9 to 10 weeks from planting. Of an attractive green color, striped with lighter green. Flesh is dark red and tender, with a rich sugary flavor. Weighs 9 to 10 lbs. Splendid for early market or home garden. It is important that melons be picked as soon as they ripen, otherwise flesh tends to become slightly stringy. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 45c, 1 lb. 85c, prepaid.

370. COLE'S EARLY—(75 to 80 days.) A leading first early variety for home garden and truckers to local markets; reasonably productive, and particularly desirable for the Northwest as it matures in a short season. Fruit: weight 20 lbs., medium size, short, oval, with alternate light and dark green stripes; tender rind. Flesh: pink-red, of good flavor; seeds black. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 40c, lb. 70c, prepaid.

371. EARLY ROUND LIGHT ICING—(85 days.) A very productive mid-season melon of excellent quality. Adapted to home or market gardens in the Northwest. Fruit: weight 20 lbs., oval round, very uniform, light green, with indistinct veining of darker green. Rind thin and tender. Flesh: light red, of excellent quality; seeds white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 45c, lb. 80c, prepaid.



382—WINTER MELON—Long Keeping!
Also called King and Queen or Christmas Melon

382. WINTER MELON—(78 days.) Here's a sweet luscious watermelon for your Thanksgiving dinner, from your own garden. An early sort, very prolific and an excellent shipper. This melon will keep 2 months after picking if properly stored. Fruit: small, weight 10 lbs., round, pale yellow when ripening. Flesh: bright red, crystalline, very sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 40c, lb. 70c, prepaid.

383. KLECKLEY'S SWEET—(85 days.) A splendid medium early variety, especially desirable for home garden use and for truckers serving local markets. It will not stand long distance shipping. A melon of outstanding quality and unusual sweetness. Fruit: large, weight 30 to 40 lbs., cylindrical dark bluish green, with thin tender rind. Flesh: bright red, tender and extremely sweet. Seeds white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 40c, lb. 70c, prepaid.



KLECKLEY'S SWEET, a delicious medium early Melon. Pkt. 5c

**389—SPECIAL
3 WATERMELON
KINGS**

One packet of each:
Early North. Sweet,
Early Kansas,
Will Rogers. 20c
All for
One ounce of each
for 30c.

Okra or Gumbo

The young seed pods of this plant are used for the well known and delicious gumbo soups. Plant in spring as soon as danger of frost is past. Cultivate the same as corn.

215. WHITE VELVET—Height 3 1/2 feet; long white pods. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 75c, prepaid.

217. DWARF GREEN—Grows low, is very productive. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 75c, prepaid.

Yellow Globe Danvers—
a good keeper.

Dependable Onion Seed,

One ounce will sow 100 feet of drill; 5 pounds per acre.

CULTURE—The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering $\frac{1}{2}$ inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

Long-Keeping Winter Onions

395. SOUTHPORT RED GLOBE—(Late.) The finest red onion. We offer our special strain of Red Globe produced by years of careful breeding. The perfect globe type is thoroughly established in this variety resulting in bulbs of the most uniform shape and attractive appearance. They are highly productive and fine keepers. Bulbs: perfectly round, of good size, with small neck and thick, deep purplish red skin. Flesh: white, tinged with pink, of strong flavor. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 45c, lb. \$1.50, 2 lbs. \$2.75, prepaid.

397. MINNESOTA SOUTHPORT YELLOW GLOBE—(Late.) A very handsome golden yellow globe of good size and mild flavor, which is very popular on the market. It is a good cropper, medium late, hardy, and possesses excellent storage qualities. Bulbs: medium large, round, yellow, firm and solid. Flesh: white with slight yellow tone. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.60, 2 lbs. \$3.00, prepaid.

399. MOUNTAIN DANVERS—(Early.) This strain is commanding a lot of attention as it is the earliest yellow globe variety and was developed in the mile-high regions of Colorado. It remains firm and usable much longer than any other variety—its color is a fine golden yellow—flavor is mild, and its earliness and long-keeping qualities make Mountain Danvers most suitable for marketing and a profitable variety to grow. Bulbs: three-quarter globe shape, slightly flattened at the base, dark yellow, very hard and thick skinned. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 40c, lb. \$1.50, 2 lbs. \$2.75, prepaid.

403. LARGE RED WETHERSFIELD—(Late.) One of the most extensively grown large red onions. A heavy yielder and a splendid keeper. In poor soil it does best, growing a thinner neck than in heavy soil. Used extensively for sets and for storage. Bulbs: medium large, flat on the bottom with sloping top; purplish red. Flesh: fine grained, firm, slightly flushed with pink. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, 2 lbs. \$2.65, prepaid.

407. YELLOW GLOBE DANVERS—(Medium Early.) A popular, hardy strain of Yellow Globe. It is fairly early and a good cropper. Used extensively for storage. Bulbs: medium large, round, yellow, firm and solid. Flesh: fine grained, creamy white, crisp, mild and of excellent flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.60, 2 lbs. \$3.00, prepaid.

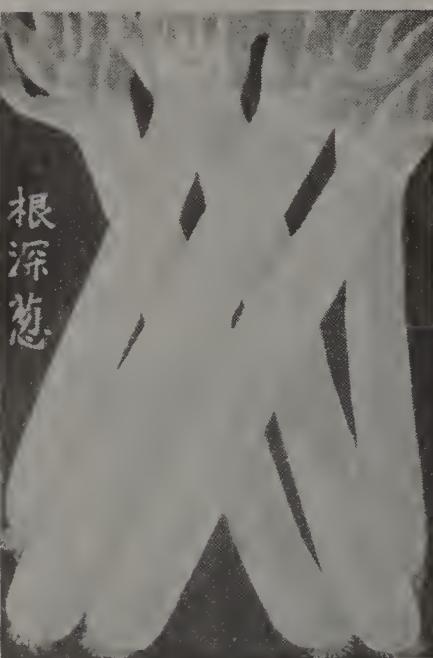
404. BRIGHAM YELLOW GLOBE—(Early.) This strain was grown and selected for years by its Michigan originator, and is among the best in production and keeping qualities. The bulbs are globular, with rounded bottom, solid and well covered with tight-fitting, thick skins. May be grown successfully on either muck or heavy soil. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.15, prepaid.

Bigger & Better Vegetables with Semesan

By simply placing your garden seeds (any quantity up to 1 lb. at a time) in a mason jar together with $\frac{1}{4}$ to $\frac{1}{2}$ teaspoon of SEMESAN, and shaking for three minutes any time before planting, you can grow the biggest crop of fine quality vegetables or large colorful flowers that you ever saw! SEMESAN prevents "damping-off" and seed decay, controls all seed-borne plant diseases and assures you of getting a much better stand. Circular free. Price: $\frac{1}{3}$ -oz. pkt. 10c, 2-oz. can 35c, prepaid. —Not prepaid, 1 lb. \$2.25, 5 lbs. \$9.90.

Southport Yellow Globe.

An attractive
"best seller."



Chinese Green Onion "One-a-Meal."

Free to Our Customers

"Make the Garden Pay," an 80-page book every customer will want—tells in condensed form how to get the most out of your vegetable garden. Written by experts, fully illustrated. Gives cultural directions and information regarding vegetable storage, insect enemies, hotbed making, etc. A complete instruction book. Given free with a \$1.00 order of vegetables or flower seeds, or a \$2.00 order of farm seeds.

Early Bunching or Pickling Onions

409. EXTRA EARLY BARLETTA—An exceptionally early sort, very popular for pickling and green bunching. Bulbs: small, flat, pure white, of mild sweet flavor. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid.

410. EARLY WHITE WELSH—A hardy perennial, used exclusively for green bunching onions. This variety does not produce bulbs, but provides a good crop of the finest green onions for the market early in spring, in advance of those from sets. They may be left in the ground for years. Seed may be sown in August and September for extra early crop in spring. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid.

411. WHITE PORTUGAL OR SILVER SKIN—(Medium Early.) The most widely used white onion. It might be called an all-purpose variety, as it is excellent for sets, as a pickler, for green bunching and for storage. Bulbs: medium size, thick-flat, clear white, hard, fine grained and of pleasing flavor. It is a dependable cropper. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid.

415. EARLY WHITE BUNCHING ONION—(Annual.) Here's an exceptionally early green bunching onion. An annual which forms small bulbs for green table onions—of real quality and mild flavor. Used by leading gardeners for the early market. Pkt. 5c, oz. 12c, $\frac{1}{4}$ lb. 45c, lb. \$1.50, prepaid.

Sets and Plants

Large Mild Onions for Slicing

398. MINNESOTA SOUTHPORT WHITE GLOBE—(Late.) This is the finest of all white sorts. Its unusually handsome appearance brings a premium on all markets. It keeps well in fall storage. To get fine white onions, great care should be exercised in harvesting the crop. Pull as soon as they are ripe enough to harvest and dry in an airy, shady place. Bulbs: round, medium sized, solid, pure white, very attractive, skin thin and delicate. Flesh: waxy white, fine grained and mild. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

405. WHITE BERMUDA OR CRYSTAL WAX—An excellent onion for home garden. Beautiful in appearance, both skin and flesh being a clear delicate white. Bulbs: very flat, medium sized, clear white; of mild delicate flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

406. PRIZETAKER—This onion is outstanding because of its great size and splendid quality. It is similar in type to the large Spanish onions. Our special strain is exceptionally productive. It is a very popular shipping sort. Bulbs: large, globe shape; skin thin and glossy, of straw color; flavor mild. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.65, 2 lbs. \$3.10, prepaid.

MARKET GROWERS
Ask for Special Price List

SWEET SPANISH

has a mild
pleasing
flavor.



408. MAMMOTH SILVER KING—(Early.) A large imported variety valuable for early market and of excellent table quality. Bulbs: deep and flat, pure white and exceptionally mild. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.60, prepaid.

412. SWEET SPANISH OR VALENCIA—Here's a most attractive onion that deserves a place in every garden. It is about the mildest onion in cultivation, a product of old Spain, now acclimated to our growing conditions. In appearance it greatly resembles the Prizetaker, with a skin of bright golden straw color. However it is even larger than Prizetaker, and for table slicing it rivals the Bermuda—it may be eaten like an apple. Very prolific and desirable for shipping and fall storage—a money maker for market gardeners. Bulbs: very large, globular with golden yellow skin; flesh white, very mild and of pleasing flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 55c, lb. \$2.00, 2 lbs. \$3.75, prepaid.

414. MIXED ONION SEED—This mixture contains seed of all varieties, Globe, Wethersfield, early and late, and "green" onions. It is fine for the small garden, as it will furnish a supply of onions all summer and for winter storage. Also recommended for growing sets. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid.

Serve Flamingo Relish

with Baked Beans or Meats

15 large white onions
24 large mild red peppers
1 quart cider vinegar
2 cups sugar
3 tablespoons salt

Remove skins from onions and seeds from peppers and put through food chopper. Cover with boiling water and let stand for five minutes.

Drain well. Add the vinegar, sugar and salt and boil together for twenty minutes. Bottle and serve same as catsup.

Bermuda Onion Plants for the first Green Onions

Started in Texas from the finest strains of onion seed, the plants are lifted and shipped to be replanted in northern gardens. They will produce mild-flavored young green onions in the shortest possible time, or allowed to develop, will quickly grow to creaming or slicing size.

We can usually supply the following varieties: Yellow Bermuda, Crystal Wax, Prizetaker and Valencia, but in case of shortage we reserve the right to send the varieties available when order reaches us.

Orders will be shipped at proper time for setting out. We prepay to fourth zone only (600 miles). Beyond that, at customer's risk, 100,000 plants are required to plant an acre.

Price: 2 bundles 35c, 5 bundles 70c, 10 bundles \$1.15, prepaid to fourth zone.—Not prepaid, case of 60 bundles \$3.75. (Weight 35 lbs.) (Bundles contain 75 to 100 plants.)

Not Available After May 1st.



150 to 200 Plants for 35c postpaid



F. S. & N. Co's White Bottom Sets.

**One lb. will plant 25 ft. of row.
12 bu. will plant an acre.**

EGYPTIAN PERENNIAL SETS—A hardy variety that may be planted either in spring or fall. They require no attention, spread rapidly, and make the first green onions for the table in spring. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 50c, pk. (7 lbs.) 80c, bu. (28 lbs.) \$2.75.

YELLOW MULTIPLIERS—Flavor much superior to ordinary onions. Price: Lb. 30c, prepaid.—Not prepaid, 4 lbs. 55c, pk. 95c, bu. \$3.00.

JAPANESE OR EBENEZER ONION SETS—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long-keeping quality, and freedom from going to seed. Japanese sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 40c, pk. 70c, bu. \$2.50.

Onion Sets

32 Pounds equal 1 Bushel

Onion Sets are planted for onions for early spring use. A pound or two is sufficient for the average family garden. They can be planted as early in spring as the ground can be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively made late into the summer, as long as the sets remain in good condition.

YELLOW BOTTOM SETS—The onions commonly planted in the home garden for early green onions, also for later use. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 40c, pk. 70c, bu. \$2.50.

RED BOTTOM SETS—Produce onions of excellent keeping quality and strong flavor. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 40c, pk. 70c, bu. \$2.50.

WHITE BOTTOM SETS—Price: Lb. 30c, prepaid.—Not prepaid, 4 lbs. 50c, pk. 80c, bu. \$2.75.

For larger quantities than one pound, add postage.

Garlic Sets

Used for flavoring stews, soups, meats, dressings and sauces. Garlic is a perennial, a member of the onion family but of much stronger flavor. The bulb separates beneath a thin, papery skin into divisions or "cloves." These cloves are planted in rows 12-18 in. apart and 4-6 in. apart in the row and covered with an inch or two of soil. When the tops have died, the bulbs are pulled, braided together by their tops and hung in a dry, airy place to cure. $\frac{1}{2}$ lb. 25c, lb. 40c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. \$2.50.



Northern Grown PEAS

YOUNG GARDEN-FRESH PEAS ARE LUSCIOUS, SWEET AND TENDER

One pound will plant 100 feet of drill.

CULTURE—Garden Peas do best in light, rich soil, and are quite hardy, requiring fairly cool weather. The extra early varieties can be sown just as soon as the ground can be worked, early in April here. Sow in rows 24 to 26 inches apart, covering the seed about 2 inches deep. The tall varieties should be supported with brush, or twine and light stakes.

Extra Early Peas

448. EXTRA EARLY EIGHT WEEKS—(56 days.) (Semi-wrinkled.) This is the earliest sort in common use. A splendid variety to produce the first home garden peas on the family dinner table. Vines: 13 inches high, very dwarf, slender. Pods: 3 inches long, dark green, contain 7 to 9 peas of exceptional quality when picked young. Seeds: small, grey green, dimpled. Pkt. 8c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

447. EARLY ALASKA—(55 days.) (Smooth seeded.) The first early variety for market gardeners. Also very extensively used for canning. Crop matures evenly. Our strain is noted for its pod size and productivity. Vines: 30 inches long. Pods: light green, round, contain 6 to 8 peas of good quality. Seeds: small, round, smooth, bluish green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.—Not prepaid, 10 lbs. at 13c per lb.

For BIGGER CROPS of BETTER PEAS
Use McQueens Inoculator—only 10c

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Laxton's Progress.

Early Wrinkled Peas

471. LITTLE MARVEL—(60 days.) Outstanding among the older varieties of dwarf peas, Little Marvel continues to be extensively used on account of its exceptional quality and yield. Valuable for home garden and early shipping. Vines: 18 inches high. Pods: 3 inches long, plump, well filled with 7 to 8 tender peas. Seeds: light green, squarish, wrinkled. Pkt. 8c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. at 16c per lb.

472. AMERICAN WONDER—(58 days.) Our stock of this old popular pea is the true extra-dwarf, early strain. Well suited to home gardening and highly productive. Vines: 12 to 14 inches high, dark green. Pods: 2 $\frac{1}{4}$ inches long and filled with 6 peas. Seeds: wrinkled, square green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

460. THOMAS LAXTON—(58 days.) A popular early variety highly prized by shippers and canners. Quality and yield are excellent. Vines: 33 inches high, medium green and heavy. Pods: 3 $\frac{1}{4}$ inches long, plump, broad; contain 7 to 8 large tender peas of good quality. Seeds: cream and green, wrinkled. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

461. LAXTON'S PROGRESS—(60 days.) The largest podded and most attractive of the Laxtonian family. A good sort for shipping to distant markets, also for home and market garden planting. Of fine quality and abundant yield. Vines: 17 inches high, medium dark green. Pods: 4 $\frac{1}{4}$ inches long, dark green, handsome; contain 7 to 9 large peas of good quality. Seeds: large, wrinkled, cream with green color. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

470. GIANT LAXTONIAN—(60 days.) Here is the best known of the early, dwarf, large podded sorts. Used largely for home gardens and by truckers and shippers. Our featured strain has exceptionally large pods. Vines: 18 inches high, dark green; "top off" well at maturity. Pods: 4 $\frac{1}{2}$ inches long, broad, dark green, contain 7 to 8 large succulent peas. Seeds: yellow and green, wrinkled. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.



462. NEW GLACIER HYBRID—(62 days.) A new wilt-resistant Thomas Laxton type pea that matures several days earlier, and grows 34 in. high. Pods are plump, blunt, and contain 7 to 8 peas semi-round of exceptional quality. Excellent color and flavor. Pkt. 8c, $\frac{1}{2}$ lb. 20c, 1 lb. 35c, 2 lbs. 60c, 5 lbs. \$1.25, prepaid.—Not prepaid, 10 lbs. at 16c per lb. See back inside cover.

474. PREMIUM GEM—(63 days.) A highly productive, medium early variety good for home gardening and for canning. Vines: 20 inches high, dark green. Pods: 2 $\frac{1}{2}$ inches long, light green, contain 6 to 7 peas. Seeds: wrinkled, green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

Free With Your Order NEW HOME CANNING BOOK

This book reduces the art of Home Canning to utmost simplicity—time saving, economical, a boon to the housewife. Contains all the latest methods of canning with minute instructions governing same, time tables, more than 300 tested recipes usual and unusual—health giving, retaining all the vitamins. No expense has been spared to make this the most complete and useful book of its kind on the market today. Free with a \$1.00 order for garden, or flower seeds—or a \$2.00 order for farm seeds. Ask for it.

No. 510 Garden Peas Collection

FRESH PEAS ALL SUMMER—We have selected varieties which will mature in succession, and furnish a continuous supply of delicious peas. We know they will more than please you.

EXTRA EARLY EIGHT WEEKS—Best extra early pea (56 days).

LITTLE MARVEL—Medium early. Very delicious (60 days).

POTLATCH—Late. Never disappoints (78 days).

1 Mammoth Pkt. of each	17c	$\frac{1}{2}$ Lb. of each	45c	1 Lb. of each	80c
All prepaid.					

—MARKET GARDENERS—

WRITE FOR SPECIAL PRICE LIST
GIVING QUANTITY PRICES.

LITTLE MARVEL

The Finest
low-grow-
ing early
pea of
delicious
flavor and
an extra
heavy
bearer.



Giant Laxtonian—
a large podded
early sort.

Main-Crop Peas

Finest Mid-season Varieties

475. TENDER GIANT—(73 days.) A medium late, large podded variety maturing after the early dwarf varieties and before the other large podded main crop sorts. Its sweetness and quality cannot be improved upon. A nation-wide favorite as a canning pea. Vines: 27 inches high. Pods: 4 inches long, contain 6 to 8 large tender peas. Seeds: large, green, wrinkled. Pkt. 8c, $\frac{1}{2}$ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. at 16c per lb.

480. POTLATCH OR BIG DINNER—(78 days.) One of the very finest late varieties for home garden and for shipping to distant markets. Potlatch is famous for its heavy yield of immense pods bearing many large luscious peas of delicious flavor. Vines: 26 inches high, deep green. Pods: 4 $\frac{1}{2}$ inches long, $\frac{7}{8}$ inch wide; contain 8 to 10 tender, succulent peas. Seeds: large, wrinkled, green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

484. EVERBEARING—(74 days.) An extra long bearing period makes this a popular variety. Everbearing is resistant to Fusarium wilt, and is noted for its quality. Vines: 32 inches high. Pods: 4 inches long, plump; contain 4 to 5 large peas of sweet marrowy flavor. Seeds: very large, light green, flat, wrinkled. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

Tall Main Crop Peas

501. QUITE CONTENT—(74 days.) We receive more enthusiastic reports on Quite Content than on all other tall peas. It has immense pods, filled with extra large, quality peas. Vines: 45 inches high. Pods: 4 $\frac{3}{4}$ inches long; contain 8 to 9 large, tender peas. Seeds: wrinkled, large, green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

505. TALL TELEPHONE—(73 days.) A standard mid-season variety. Produces an abundant yield of immense pods filled with large tender peas of excellent flavor and quality. Vines: 45 inches high, dark green. Pods: 5 inches long, plump. Seeds: large, wrinkled, light green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

506. CHAMPION OF ENGLAND—(79 days.) A well known late variety. A great climber and heavy yielder. Vines: 54 to 60 inches high. Pods: 3 inches long, plump; contain 7 to 8 peas of good quality. Seeds: large, wrinkled, light green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

GARDEN SIZE Packet Inoculator

Inoculates up to 4 lbs. of Seed

Only 10c

Insures Bigger and
Better Quality Peas
Beans, Lima Beans.
Sweet Peas, Lupines.

MARKET GARDEN SIZE—
Inoculates 15 lbs. PEAS or BEANS

ONLY 25c postpaid

When ordering, state if wanted for
Beans or Peas.



Wheaton, Minn., May 1, 1939.

F. S. & N. Co.

I am enclosing an order for some Golden Cross Bantam Hybrid Sweet Corn, and a few other seeds.

I planted some of this corn last year, and had the surprise of my life—it was the finest sweet corn I have ever seen. Some ears were ten inches long, and had sixteen rows on an ear. I'll never plant any other sweet corn.

Ray H. Johnson.

486. DWARF TELEPHONE OR DAISY—(75 days.) A late, large-podded, highly-productive sort for home garden and truckers. A good shipper and resistant to Fusarium wilt. Our strain is unsurpassed in size and appearance of pods. Vines: 22 inches high. Pods: 4 $\frac{1}{2}$ inches long, broad, pointed and attractive; contain 8 to 10 peas of excellent quality. Seeds: large, wrinkled, bluish-green. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

492. DWARF SUGAR—(68 days.) (Eat pod and all!) A prolific home garden variety with an edible pod and also resistant to Fusarium wilt. Delicious if cooked when young the same as string beans—without shelling. Very sweet and tender. Vines 28 inches high, slender and wiry, with purple blossoms. Pods: 3 inches long, heavily curved, strongly indented between the peas. Seeds: small, mottled, grey, round, smooth. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

499. NEW DROUGHT RESISTER PEA—(72 days.) Will produce a crop equally well in wet or extremely dry seasons. The wilt resistant vines grow 2 ft. high—and require no support. Pods are round and well filled with 7 to 10 sweet, tender Peas. Just the variety for late planting and prolonging the pea season. Pkt. 10c, $\frac{1}{2}$ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.25, prepaid.—Not prepaid, 10 lbs. at 17c per lb.



Potlatch—bears immense luscious peas.

Experiment with New Potatoes

Many want to try the new potato introductions, but hesitate to pay high express charges. Now all may try them—by planting potato eyes of Mesabas, Chippewas or White Golds. They may be sent anywhere in the U. S. and give results. Price: 50 eyes of any one of the above varieties, 50c; 100 for \$1.00; 250 for \$2.25; 500 for \$4.25; 1,000 for \$8.00, prepaid. See page 21.

Parsnips

One ounce for 200 feet of drill. Five to six pounds for an acre.

A valuable root vegetable of rich sweet flavor and high food value. Frost improves the flavor, and parsnips can be left in the ground all winter, to be harvested in spring when fresh vegetables are scarce. Seed germinates slowly. Sow early in drills.

426. HOLLOW CROWN OR GUERNSEY—A great cropper; tender, sugary and considered the best for general cultivation. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 70c, prepaid.

427. IDEAL—Roots not as long as Hollow Crown, but are thicker and more easily gathered. They are very smooth and have fine grained flesh of excellent quality. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 70c, prepaid.

Parsley

One ounce will sow 150 feet of drill.

CULTURE—Parsley is indispensable for flavoring and for garnishing. The seed germinates slowly, in 2 or 3 weeks and therefore should be soaked in warm water for a few hours before planting. Sow early in spring, $\frac{1}{2}$ inch deep. In the fall, a few plants may be set into pots, and taken indoors.

430. MOSS CURLED—A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is most popular. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

431. HAMBURG or THICK ROOT-ED—The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy. Is cultivated like parsnip. Foliage same as Plain Parsley. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.



Hollow Crown.

Pepper Grass or Cress

295. FINE CURLED—Crisp, pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, prepaid.

New Giant Peppers

* California Wonder

The finest Sweet Pepper
for stuffing and baking whole

436. (73 days.) Bright crimson, blocky fruits, measuring five inches long and four inches wide—excellent for serving whole. Crisp and juicy, without a trace of pungency, the flesh is often $\frac{3}{8}$ of an inch thick. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.50, prepaid.

432. KING OF THE NORTH—The newest and best early large pepper especially valuable in northern states. Fruits are enormous in size and color up a brilliant red much earlier than any other large sort. They average 6 inches long, 4 inches across. The flesh is thick, firm, very sweet and mild. Plants are literally covered with large peppers. Often one plant will have 8 to 10 mature fruits. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

434. HARRIS EARLY GIANT—(63 days.) An excellent first early sweet variety, for home and market garden use. Fruits resemble Bull Nose in form. Plants: dwarf, upright, very productive. Fruits: 4 $\frac{1}{2}$ inches long, 3 $\frac{1}{2}$ inches thick; gently tapered, 3-lobed, of sweet mild flavor; deep green changing to bright red. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

NOTE.—The time from setting out plants to marketable condition is indicated here.

433. HUNGARIAN HOT PEPPER—(65 days.) Also called Banana and Bulgarian Yellow. An extremely hot, long, slender, pepper of a bright waxy yellow color. Turns crimson when mature. The fruits are pointed and from 5 $\frac{1}{2}$ to 7 inches long. The plants produce abundantly. A special favorite with many people because of its pungency. A profitable market sort. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.35, prepaid.

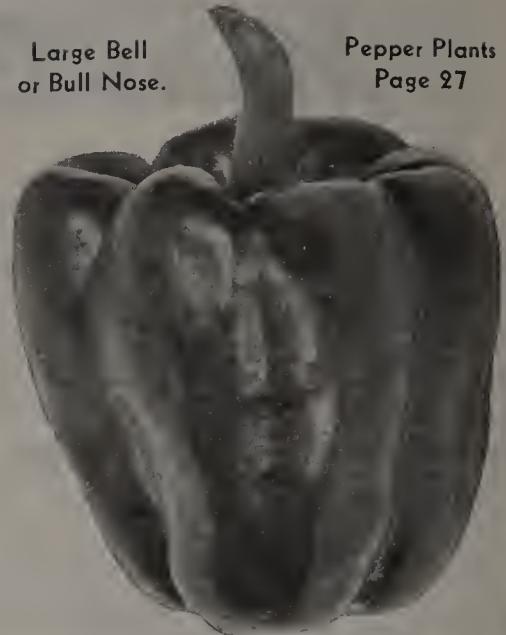
437. LARGE BELL or BULL NOSE—(58 days.) A popular early sweet variety. The first on the early market. Plants: small, erect, prolific. Fruits: 3 inches long, 2 $\frac{3}{4}$ inches thick; blunt, deep green—changing to scarlet red; sweet, mild in flavor. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

441. PIMENTO or PERFECTION—(73 days.) Pre-eminently a canning variety; also excellent for home or market garden planting. Plants: large, erect, prolific. Fruits: 3 $\frac{1}{2}$ inches long, 2 $\frac{1}{2}$ inches thick; heart shaped, very smooth; color dark green, changing to bright crimson; flesh thick, sweet and mild. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

442. RUBY KING—(68 days.) Excellent for home and market gardening, also for shipping. Plants: medium dwarf, erect, vigorous, and very productive. Fruits: 5 inches long, 3 inches thick; tapering, dark green changing to ruby red at maturity. Flesh: thick, mild and sweet. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.10, prepaid.

Large Bell
or Bull Nose.

Pepper Plants
Page 27



One ounce of seed for 1,000 plants.
 $\frac{1}{4}$ lb. to transplant one acre.

How to Grow Big Peppers

Sow seed in flats, or in the hotbed in March, and transplant seedlings, when 3 or 4 inches high to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well-prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in rows.

Peanuts

As
Easy
to
Grow
as
Potatoes

Ask for
Free
Leaflet



Large Virginia Peanuts.

514. EARLY SPANISH—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.20.

515. LARGE VIRGINIA—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. Fine for dry, sandy soil. Large pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. for \$1.20.

Tobacco

One ounce of seed will produce plants for one acre.

519. CONNECTICUT SEED LEAF—Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, prepaid.

Pie Plant or Rhubarb -

581. VICTORIA RHUBARB SEED—A superb variety, larger than the average, has large thick red stalks of most delicious flavor and excellent quality; a good seller in all markets. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00, prepaid.

For Rhubarb Roots see Page 27.

MINNESOTA GROWN SEED POTATOES

The New Certified "Mesaba" Sweepstakes Winner —Minn. State Fair 1938—

The Mesaba Potato is the latest development of the Minnesota Experiment Station. It was obtained from a cross between the Russet Rural and a seedling selection of the Early Ohio variety. The Mesaba is a round, white potato of the smooth rural type and similar to the Irish Cobbler in maturity and yield. It has proved to be a smoother, more attractive market potato than the Cobbler and on the basis of four years in trial at a number of locations has proved its superiority in yields over the Cobbler to a great extent.

Price: Trial order—10 lbs., 75c, postpaid to 3rd zone. See Blue Figure Price List for prices larger lots.



U.S. DEPT. OF AGRICULTURE'S NEW CHIPPEWA (Certified)

CHIPPEWA is the most recent introduction by the Department of Agriculture. It is considerably earlier than Katahdin or Green Mountain and is especially well adapted for the Northwest. In all tests the yields have been higher than other late varieties like Rural New Yorker, Carman, Katahdin or Green Mountain.

Chippewa was compared in 1938 with Cobbler in 12 counties and exceeded Cobbler in yield of No. 1 potatoes in all but 2 tests. The average difference in yield was 39 bushels. Chippewa matures a few days later than Cobbler but yields a consistently higher percentage of No. 1 tubers.

Since this potato matures ahead of most all other late varieties, it promises to become the most popular storage potato and will replace many of the old-timers. The tubers are smooth, regular in outline, with very shallow eyes. It is an excellent cooker and shows a high degree of resistance to mild mosaic.

Price: 10 lbs., 75c, prepaid to 3rd zone. See Blue Figure Price List larger quantities.

Kitchen Wonder Tool

PEELS—SLICES—SHREDS

Makes peeling potatoes and other vegetables or fruits a joy. Quicker than a knife, saves fingers from stain. Strings beans, shreds cabbage, chocolate or soap—a real labor saver. Price: 25c, prepaid. Same tool in stainless, rustless Duralumin, 35c, prepaid. See page 7.

"WHITE GOLD" EXTRA EARLY WHITE POTATO

Ten days to two weeks earlier to market frequently means the difference between a decent profit and a possible loss. White Gold Potato growers in hundreds of letters tell of their wonderful success and fine profits. The chief reason was because White Gold Potatoes were ready two weeks earlier than Cobblers, Triumphs or Early Ohios.

White Gold Potatoes were developed from a potato seedling in Itasca County, Minnesota. For six years the seedlings were carefully selected and increased before the new potato was introduced. It has the size and shape of the Green Mountain, though the eyes are shallow and it is of slightly netted appearance. The yields compare favorably with the late varieties such as Carmans and Rural New Yorkers. The outstanding features, however, are its earliness, good size and big yields. White Golds will keep in storage better than many late varieties. The cooking and baking quality is unsurpassed.

Price: 10 lbs., 75c, postpaid to 3rd zone. See Blue Figure Price List for quotations larger lots.

NEW WARBA

Now Replacing the Triumph

After a 5-year test, the Minnesota Agricultural Experiment Station introduced a valuable new early potato—a cross of a selected seedling and Bliss Triumph. It resembles Bliss Triumph, though is larger in size—a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Its season is 7 to 10 days earlier than Bliss Triumph or Early Ohio. The vines are upright, sturdy and resistant to mild mosaic. Tubers are short, round, blocky, white with pink eyes and uniform in size, with few culms.

Price: 10 lbs., 65c, prepaid to 3rd zone. See Blue Figure Price List for larger lots.

EARLY OHIO

This old favorite is a heavy yielder, of even size, medium to large, oval in shape tubers, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they keep well. The flesh is white, firm, fine grained, and of excellent flavor. The cooking and baking qualities are unsurpassed. Price: 10 lbs. for 65c prepaid to 3rd zone.

EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, with prominent ridges at ends, causing uneven surface, and slightly flattened, rather blocky shape. The skin is white, well netted, with eyes of medium depth and number. It is a fine flavored potato and a heavy yielder. Price: 10 lbs. for 65c, prepaid to 3rd zone. See Blue Figure List.

GIRASOL—"The Lazy Man's Spud"

Improved American Artichoke

Bushel (50 lbs.)—6 bushels will plant an acre.

A Valuable Food for Diabetics and Those Not Permitted To Eat Starchy Foods

The tubers can be eaten cooked, or served raw in salads. They contain carbohydrates in the form of inulin, instead of starch, and need not be cooked to bring out their food value. Recipe folder mailed free upon request.

Easy To Grow

Plant 3 feet apart in rows 3 feet apart. Cut tubers like potatoes.

Girasol will thrive in any soil and responds to liberal feeding, yielding bountifully. The foliage becomes so dense, that after two cultivations, weeds cannot survive. Girasol tubers are relished by livestock and poultry.

The average yield is 10 to 15 tons of tubers per acre, with an equal amount of silage from the tops. Tubers can be left in the ground until the following spring, as they are not injured by freezing.

PRICE: 5 lbs. \$1.00, prepaid to third zone only.—Not prepaid, 10 lbs. 80c, 20 lbs. \$1.50, 50 lbs. \$3.25.



Above tubers were dug from a single hill of "Girasol."

Tubers not available until April 10th as seed stock cannot be dug until after the frost is out of the ground in spring.

Crisp Radishes

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

CULTURE—Quick growth is the secret of success. A light, rich soil is required. Sow the seed as early in the spring as the ground can be worked, and every two weeks thereafter throughout the season for succession. Sow round and globe varieties for first crop as they grow faster than the long types and soon turn pithy, so must be harvested promptly. Long types grow more slowly and endure the heat better.

Wormy radishes can be controlled by spraying with Carco. By practicing crop rotation, and changing the planting site each year, serious soil infestation is overcome.



We recommend French Breakfast for the home garden. It is early, attractive in color and has crisp, tender flesh.

524. NEW EARLY BIRD—Most Profitable Early Market Variety. Ready to pull in 16-20 days. Color: rich scarlet; flesh, snow-white, crisp, juicy and mild; shape, slightly elongated globe. It costs twice as much to produce Early Bird Radish Seed, because it is grown from transplanted roots, insuring absolute uniformity and trueness of type. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.15, prepaid.

525. EARLY SCARLET TURNIP—(26 days.) An early variety with small top, well adapted to field culture and forcing. Excellent quality. Roots: 1 inch diameter, round, slightly flattened with small taproot; dark scarlet-red. Flesh: pinkish white, crisp and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 2 lbs. \$1.10 prepaid.

526. EARLY SCARLET TURNIP—WHITE TIP—(26 days.) An attractive sort, extensively used by truckers, and in home gardens. Should be pulled when they are 1 to $1\frac{1}{4}$ inches in diameter. Roots: 1 to $1\frac{1}{4}$ inch diameter, nearly round with small taproots; carmine-red, with small white tip. Flesh: white, crisp and mild. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c, 2 lbs \$1.25, prepaid.

Bothered with ROOT MAGGOTS? Try CARCO Vegetable Spray!

For control of Root Maggots which attack your CABBAGE, CAULIFLOWER, ONIONS, BEETS, RADISHES and TURNIPS, use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON, and it's the best we know of to keep root maggots out of your garden! Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions. $\frac{1}{2}$ pint 55c, pint 85c, quart \$1.40, postpaid. See page 77 for spray gun.

Market Growers'
Price List
will be mailed
upon
request.

528. NEW GLOWING BALL RADISH—An All-America Gold Medal Winner. A round, short top radish, fiery bright scarlet with almost an orange glow. Its unusual color never fails to attract attention on the market. Smooth silky skin, ball shaped, one inch or less in diameter, spicily flavored, very early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

529. SPARKLER—(25 days.) Similar to Scarlet Turnip White Tip, but with larger white area. Popular with market gardeners. Roots: round, smooth, dull scarlet-red, one-third white. Flesh: white, crisp and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 2 lbs. \$1.10, prepaid.

530. EARLY SAXA—(22 days.) The earliest radish of all. Principally a forcing sort, but also used for out-of-door planting. Tops very small. Roots: $\frac{1}{8}$ inch diameter, small, spherical, bright scarlet in color. Flesh: white, crisp and mild. Earliest for market. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c, 2 lbs. \$1.30, prepaid.

531. FIRECRACKER—(22 days.) Here is the sensational new radish that hundreds of our customers have been asking for. This year we were fortunate in securing a limited amount of seed from Holland. It is a distinct type of long scarlet radish of vivid scarlet color and cylindrical shape with slender taproot—fully as early as Saxa or Scarlet Globe and remains in prime condition for a much longer time. (See inside back cover.) Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 85c, 2 lbs. \$1.60, prepaid.



Icicle remains crisp and mild long after maturity.



Early Bird—ready to pull in 16-20 days.

534. NEW "COMET" RADISH—Another All-America Winner. A crisp, tender, snappy radish of bright scarlet color and globe to olive shape. Unusual in that it matures very early, yet attains a large size before becoming pithy. Remains crisp, sound and in prime eating condition a very long time. Ideal for forcing, home gardens or market. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 85c, prepaid.

535. IMPROVED EARLY SCARLET GLOBE—(24 days.) Here is the leading variety for market gardeners. Very popular because its excellent quality is combined with very early maturity. Roots: globular, very slightly elongated, with small top; bright scarlet, crisp, tender and of fine quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 2 lbs. \$1.10, prepaid.

538. FRENCH BREAKFAST—(25 days.) An early market and home garden sort, with small top. Develops best under glass. It sells readily on the market because of its fine quality and handsome appearance. Roots: $\frac{3}{4}$ inch thick, $1\frac{1}{2}$ inches long; oblong, dull scarlet with white tip. Flesh: white and crisp. Should be pulled at first maturity. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 2 lbs. \$1.10, prepaid.

540. CRIMSON GIANT—(28 days.) A deservedly favorite variety for home gardeners and truckers. Very handsome in appearance and quality is unsurpassed, in spite of its immense size. Roots: 1 to $1\frac{1}{2}$ inches in diameter, very large, globular, deep crimson in color. The white flesh holds its firmness well and is of superior quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 2 lbs. \$1.10, prepaid.

542. MIXED RADISHES—This mixture contains early, summer and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c, 2 lbs. 90c, prepaid.

546. WHITE ICICLE—(27 days.) Flesh remains crisp and tender until roots attain large size. Roots: 6 inches long, slender, tapering at the tip, very white. Flesh: clear white, brittle and of mild, inviting flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 2 lbs. \$1.10, prepaid.

Winter Radishes

Sow in early July and allow to develop during the fall months. Dig before frost and store in a cool place.

555. CALIFORNIA WHITE MAMMOTH—(60 days.) Roots: 8 inches long, 2 inches thick; cylindrical and thickest at lower end. Flesh: white, crisp and not pungent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c, prepaid.

558. ROSE CHINA—(52 days.) Roots: 6 inches long, 2 inches thick, cylindrical, but thicker at lower end; blunt, smooth, bright rose-red in color. Flesh: white, very firm and pungent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c, prepaid.

559. LONG BLACK SPANISH—(58 days.) Roots: 9 inches long, $2\frac{1}{2}$ inches thick; cylindrical, slightly tapered at tip; skin black and wrinkled. Flesh: white, solid, pungent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c, prepaid.

CHICAGO
WARTED HUBBARD
has fine-grained
orange flesh.



598. CHICAGO WARTED HUBBARD—(110 days.) A very prolific good keeping sort, somewhat larger than the original Hubbard and more thickly covered with warts. Excellent flavor and quality. Fruits: 14 inches long, 10 inches diameter; weight 14 lbs., pointed at each end, very dark green. Flesh: deep orange-yellow, dry and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.

599. IMPROVED GREEN HUBBARD—(105 days.) A standard winter sort for home or market. Fruit: 12 inches long, 9 inches diameter; weight 12 lbs., pointed at both ends, slightly warty, dark bronze green in color; rind hard and tough. Flesh: very thick, orange-yellow, dry and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.

600. GOLDEN HUBBARD—(100 days.) Similar to Green Hubbard, but earlier, smaller and more prolific. Fruit: 11 inches long, 9 inches diameter; weight 10 lbs., somewhat pointed at each end, moderately warty, orange-red, with faint cream colored stripes toward blossom end. Flesh: deep orange, dry and of fine quality; it keeps well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 90c, prepaid.

603. DELICIOUS—(102 days.) A very popular winter sort. No other squash compares with it in richness of flavor. An excellent keeper. Fruit: 11 inches long, 8 inches diameter; weight 7 to 8 lbs.; top shaped. Skin dark green with light green stripes toward the blossom end. Flesh: orange, dry, and of good flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.

604. NEW GOLDEN TABLE QUEEN—(60 days.) An unusual, handsome new, long keeping variety, edible from early fall throughout the winter. Resembles the regular Table Queen, except the size is slightly larger and the color is deep beautiful gold. The fruits are deeply ribbed, pointed at the blossom end: the orange flesh is thick, dry and of fine texture. The golden ripeness of this fruit gives it an attractive appearance on the market that appeals to the critical buyer. Size 5 $\frac{1}{4}$ x 3 $\frac{3}{4}$ inches, weight 1 $\frac{1}{4}$ lbs. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25, prepaid.



GOLDEN TABLE QUEEN—an attractive new individual squash.

Squash

with a rich sweet flavor

One ounce will plant 50 hills,

3 to 4 pounds per acre

607. KITCHEN-ETTE

—(100 days.) A new Dwarf Hubbard from the Minnesota Experiment Station that combines the better qualities of several varieties. Has the size of the Table Queen, the delightful flavor of the Delicious, keeping qualities and yield of Hubbard. Weight: 5 to 7 lbs. Quality is splendid—cooks up mealy and dry, with a delicious nutty flavor. Just the right size for average family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.

605. TABLE QUEEN

—(58 days.) An early maturing variety, trailing in habit and of exceptional flavor and quality. Very desirable for home or market garden use and for shipping. Fruit: 6 inches long, 4 $\frac{1}{2}$ inches diameter; weight 1 $\frac{1}{2}$ lbs., acorn shaped, ribbed, smooth, thin shelled, dark green. Flesh: light yellow, bakes well, with inviting flavor.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.



Split TABLE QUEEN SQUASH in halves, scoop out the seeds, brush with butter, bake and serve.

601. NEW BUTTERCUP—A North Dakota origination, developed by Prof. Yeager. Fruits weigh 3 to 5 lbs. and have a tough thin green skin. Flesh: deep rich orange tinged with green. There is no fibrous section and this squash is an excellent keeper, with little waste or shrinkage. It is acorn shape. The flavor is similar to sweet potato, with smooth texture; cooks dry and is coming into great popular favor. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25, prepaid.



BUTTERCUP is a winter squash, unequalled in flavor and keeping quality.

606. SWEET POTATO or DELICATA

—(55 days.) A valuable addition to the list of small squashes; of fine flavor and becoming a popular feature of fall and winter menus. An improved Delicata, as sweet as Table Queen. The fruit is thick fleshed and averages 6 to 8 inches in length. Baked and served with melted butter, it is a real table delicacy. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, prepaid.



The small fleshy leaves of NEW ZEALAND SPINACH are tender and delicious when cooked.

Spinach

One ounce plants 100 foot row.

CULTURE—Succeeds best on rich, well drained soil. Sow early in spring, one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June.

584. KING OF DENMARK SPINACH

—(45 days.) Highly desirable for canning and for market gardens. Large, spreading plants carry broad, rounded, very dark green leaves which are somewhat crumpled. Excellent for spring planting as it is slow to go to seed. Very hardy and of good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c, 2 lbs. 80c, prepaid.

585. TENDER GREEN MUSTARD SPINACH

—An Oriental type of mustard and not a true spinach. Grown for greens. It is a very desirable, quick growing, tender variety with long, broad, smooth leaves and white mid-ribs. The leaves are usually ready for cutting in 3 to 4 weeks. Dry weather will not injure the crop. The flavor of this new vegetable resembles spinach with a very mild mustard taste. The best summer green. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 60c, postpaid.

589. NEW ZEALAND—(70 days.) Native of New Zealand—quite distinct from other varieties of Spinach, it thrives in hot dry weather. The large spreading plants have small, thick, pointed deep green leaves, which can be picked throughout the season until heavy frost. Soak seed in warm water for several hours before planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.

586. BLOOMSDALE SAVOY LEAVED—(39 days.) A very early, vigorous variety, desirable for home gardens, for shipping to distant markets and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered; dark glossy green. Seeds fairly early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c, 2 lbs. 85c, prepaid.

Delicious Tomatoes

1 oz. Produces 2000 Plants, $\frac{1}{4}$ lb. to Transplant an Acre

CULTURE—The time from setting out plants to marketable stage is listed here. For early plants, sow the seed in flats or hotbeds, in March. Cover with soil to a depth of one-half inch. The seed germinates in 6 to 12 days. When the plants are 3 inches high, transplant them to other flats, or preferably to paper pots, giving each plant 4 inches of room. About the end of May, set the plants out in the garden, 3 feet apart each way. Pinching off some of the stems will make the plants bear more abundantly.

Newest Triumphs of America's Plant Breeders

610. NEW RUTGERS—(73 days.)

See Color Illustration Inside Back Cover. Originated by the New Jersey Experiment Station, this tomato is a consistently heavy cropper, producing larger yields in 1938 than any other variety. The fruit is uniform, globular, smooth, of medium size and very solid, with heavy cross walls and small seed cavities. It ripens evenly from the inside out, to a uniform bright scarlet color, is mildly acid and of pleasing taste. Especially valuable for slicing and in the making of sparkling bright red juice. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.10, prepaid.

613. NEW RED RIVER—Introduced by Prof. Yeager of North Dakota Agricultural College, it proved to be the heaviest yielder out of over 40 varieties tried at the experiment station at Norden, Manitoba, Canada. It is therefore exceptionally early—fruits small to medium size—bright scarlet—slightly flattened shape. Pkt. 8c, $\frac{1}{2}$ oz., 25c, 1 oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

614. PHENOMENAL—(70 days.) A new continuous bearing medium early variety. Develops strong vigorous vines, with large size fruits, nearly round or slightly flattened. They seldom crack—are exceptionally solid, ripen evenly and have a bright scarlet color all the way through. The flavor is excellent and not very acid. It resists both blight and rust. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

618. NEW SCARLET DAWN—(70 days.) A Gold Medal Winner. Fruit: very large with thick wall structure—globular, smooth, free from flat sides and puffiness. Color: bright scarlet, ripening well to the stem. Very attractive and appetizing in salads, spicy tomato juice or snappy catsup sauce. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

Colossal has thick meaty flesh



and a mild flavor.

617. PRITCHARD OR SCARLET TOPPER—(73 days.)

A scarlet, self-topping, disease-resistant variety. It is highly productive, of excellent quality, and very valuable for market garden use and for long distance shipping. Fruit: large, smooth, solid, with thick walls and cross sections: color light scarlet. A tasty tomato either sliced or canned. Pkt. 8c, $\frac{1}{2}$ oz. 25c, 1 oz. 40c, $\frac{1}{4}$ lb. \$1.25 prepaid.

Tomato Plants on Page 27

Plant Guards on Page 28



608. NEW PENN STATE—An All-America Winner. A splendid, new, very early tomato with attractive medium sized fruit of nearly globular shape and rich even scarlet color—with no blemishes. Flesh is of superb quality and flavor with rich dark red color, very little core and few seeds. Valuable for home or market because of earliness and tremendous yield. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

Two Giant Strains

620. COLOSSAL—

(90 days.) Magnificent in Size—Delicious in Flavor. Colossal has thick, meaty flesh, few seeds and a mild flavor. The color is a deep purplish-red. A big yielder of giant fruits, equally suitable for slicing, salads and for canning. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

639. PONDEROSA—

The Giant Tomato—(88 days.) A splendid sort for home use and for canning, as the fruits are so solid, meaty and free from acid. Fruit: very large, flat, purplish pink, solid, with small seed cells; of inviting flavor. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

159 Bison Tomatoes on one Plant!



Grown by Elmer E. Smith, Tonawanda, N. Y.

Bison is extra early, especially bred for the extreme northern United States.

Dependable Favorites

609. EXTRA EARLY BISON—(63 days.) See Color Illustration Front Cover. Developed by Prof. Yeager, North Dakota Agricultural College. In repeated trials it has produced an early and very heavy crop under conditions that would mean failure to most sorts. Fruit a little larger than Earliana, deep scarlet, meaty, few seeds and of finest quality. Bison has produced over 40 lbs. of ripe fruit on one plant. Matures a few days ahead of Earliana but far superior in yield and quality of fruit. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.50, prepaid.

611. SCARLET EXTRA EARLY JUNE—(60 days.) This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, prepaid.

612. SPARKS EARLIANA—(65 days.) Fruit: flattened, medium size, firm, bright red, quite smooth. Vine: open spreading, medium small. A first early sort, widely used for home gardens and truckers. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75, prepaid.

628. JOHN BAER—(70 days.) Here is an excellent early sort maturing between Earliana and Bonny Best. Excellent for local market gardening and canning. Fruit: medium sized, semi-globular, very attractive, bright scarlet red, smooth and firm. Vine: of medium height and open growth. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75, prepaid.

635. BONNY BEST—(74 days.) A standard second early variety, valuable for market gardeners, shippers, and canners and perhaps the most generally grown variety. Fruit: medium sized, apple shaped, smooth, solid, bright scarlet color of fine quality. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75, prepaid.

636. CRIMSON CUSHION or BEEF-STEAK—(90 days.) Very large, round, and uniform, bright scarlet in color. Flesh is solid and meaty, of deliciously mild flavor, with only a few small seed cells. The vines grow from 8 to 10 feet high, and may be trained or tied to a trellis, forming a most ornamental fence for the vegetable garden. If planted early, Beef-steak will ripen by the middle of July, and continue to bear until killed by frost. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

"Snowball"

NEW IVORY-WHITE TOMATO

Acid-Free!

637. A novelty everyone will admire. Ivory white fruit—paper white flesh. A tomato anyone can enjoy as it contains no acid. Grows to large size, and the quality is excellent. Grow something different. Pkt. 10c, $\frac{1}{2}$ oz. 50c, oz. 90c, prepaid.



Tomato AND Peony SUPPORTS

Made of strong galvanized wire—will not rust. The most satisfactory plant support on the market. Inexpensive—will last for years.

Diameter	Height	Gauge	Price Wire	Prepaid	Not Prepaid
Top Ring					
14 in.	30 in.	6	\$0.60		\$0.90
18 in.	30 in.	6	.70		1.10
18 in.	30 in.	3	.90		1.50
24 in.	42 in.	3	1.20		2.10

615. NEW MINGOLD—1940 All-America Silver Medal Winner. An early yellow-fruited sort, introduced by the Minnesota Experiment Station. Of fine flavor, it fills the growing demand for Yellow Tomato Juice and sliced with the reds, makes a colorful salad. The fruits are medium large, nearly globular, solid, with thick walls and cross sections. Pkt. 15c, $\frac{1}{2}$ oz. 50c, oz. 90c, prepaid.

616. OXHEART—(90 days.) In shape it's different from any other tomato. It is of great size, has very thick flesh and is almost seedless. Excellent in salads. Fruit: extremely large, heart shaped, pink; very solid, meaty, and of mild flavor. Vine: open, spreading, fairly productive. Pkt. 10c, $\frac{1}{2}$ oz. 30c, 1 oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

642. GOLDEN PONDEROSA—(89 days.) An exceptionally large, mild flavored, yellow sort for the home garden for late maturity. Fruit: very large, flat, deep yellow, quite solid, slightly rough, with small seed cells. Vines: large, spreading, strongly resistant to wilt. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

644. FARGO YELLOW PEAR—A delicious early tomato of novel appearance. An ideal sort for making fancy pickles, preserves, canning, etc. Fruit is pear shaped and of attractive golden color. Easily grown and yields wonderfully. Do not fail to try it. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, prepaid.

653. GROUND CHERRY OR HUSK TOMATO—(86 days.) This is not a true tomato. Used as a novelty and for preserves. Flavor is outstanding. Excellent in combination with oranges, lemons or ginger. Fruit: small, yellow, round, enclosed in a loose, papery husk. Of delicate flavor. Vine: spreading and flat. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. 90c, prepaid.

Semesan on Page 16

Insecticides on Page 75



MINGOLD—an attractive new Yellow Tomato, rich in Vitamin D.

Rutabagas

698. IMPROVED AMERICAN PURPLE TOP RUTABAGA—(88 days.) Our special strain is noted for its uniformity of shape and heavy yield. A dependable variety. Keeps well and of excellent quality. Roots: 5 to 7 inch diameter, large, round with small neck and slight tap root; yellow with purple top. Flesh: light yellow, firm, sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

700. YELLOW MAMMOTH RUTABAGA—A large size root of good shape, a heavy yielder and very hardy. One of the most profitable to grow. Keeps well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. and over at 45c per lb.

701. F. S. & N. CO'S EARLY NECK-LESS RUTABAGA—A new variety and a great improvement over Purple Top Yellow Rutabaga. It is earlier—entirely neckless—free from side roots, round and uniform. The flesh is white, fine grained and sweet. Another money-maker for market gardeners and a quality vegetable that sells on sight. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.



American Purple Top is creamy yellow, solid and crisp. A heavy yielder and good keeper.

CULTURAL DIRECTIONS FOR TURNIPS AND RUTABAGAS

One ounce will sow 125 feet of drill, two pounds per acre in drills, three pounds broadcast.

Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas require a longer growing season than turnips and need more moisture. When full grown, they should be pulled, topped and stored in a cool cellar or pit. If cool and sufficiently moist to prevent withering, they will keep all winter.

Turnips

681. EXTRA EARLY PURPLE TOP MILAN TURNIP—(40 days.) An extra early sort for home garden and truckers. Of excellent quality. Roots: 4 inch diameter, very flat, white with purple top. Flesh: clear white, fine grained, sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

683. WHITE EGG TURNIP—(55 to 60 days.) An early variety adapted for either spring or fall sowing. Roots: 2 $\frac{1}{2}$ inch diameter, 3 $\frac{1}{2}$ inches long; egg-shaped, white throughout; smooth, fine grained and of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

685. PURPLE TOP WHITE GLOBE TURNIP—(58 days.) Our pure bred strain is noted for its uniformity and productivity. Roots: 4 to 6 inch diameter, large globe shaped, very smooth, upper part purple-red, white below. Flesh: white, sweet, crisp and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

686. EARLY PURPLE TOP STRAP LEAVED TURNIP—(45 days.) A medium early productive variety, used extensively for home and market garden planting. Roots: 3 to 5 inch diameter, flat, purple red at the tops, white below. Flesh: white, fine grained and tender. Tops, medium, upright and compact. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

Vegetables that put "Snap" into your Menus

KALE or BORECOLE

This member of the cabbage family does not form heads, but is grown for greens. Can be sown late, as plants continue to grow late in the season. A heavy frost improves the flavor and quality of the thick, crumpled leaves.

75. DWARF GREEN CURLED—Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

76. TALL GREEN CURLED SCOTCH—Hardy plants with leaves deeply cut; curled at edges, light green in color. Very tender after exposure to frost. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

Curled Endive for Crisp Salads



ENDIVE

305. GREEN CURLED—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, prepaid.

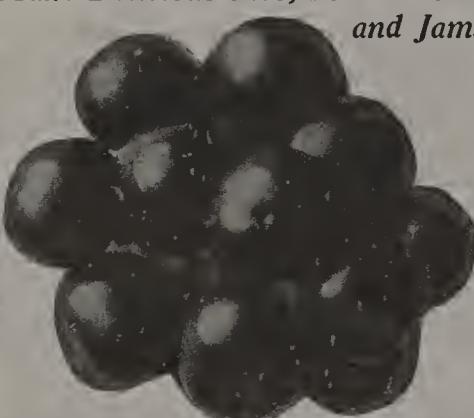
SALSIFY Vegetable Oyster

One ounce for 100 feet of row. Sow early and quite deep, giving same culture as for parsnips. The roots when cooked are appetizing and nutritious, with a mild, oyster-like flavor.

592. MAMMOTH SANDWICH ISLAND—An improved variety with roots 6 to 8 inches long, 1 to $1\frac{1}{2}$ inches thick, tapering, smooth, dull white. Plants 3 $\frac{1}{2}$ feet tall. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50, prepaid.

Garden Huckleberries

Make Delicious Pies, Preserves and Jams

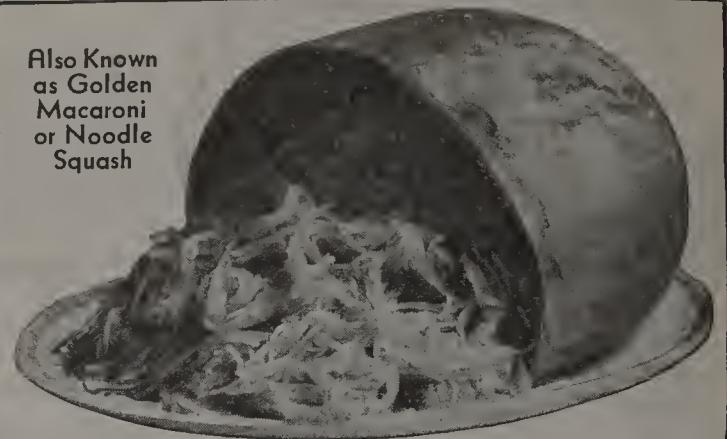


655. The berries are borne in clusters and when ripe are a shining black color, about $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter. Plants grow 3 feet tall and thrive on any soil. Culture same as for tomatoes. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 65c, prepaid.

Vegetable Spaghetti

314. Smooth, creamy-white fruits, 8 inches long and 5 inches thick. Pick when well matured. Store like squash for winter. Before cooking, puncture one end, place in kettle of hot water and cook 30 minutes. Cut in half, remove center seed core, and flesh will fall out in shreds, suggestive of spaghetti. Serve hot with salt and butter, or with a cream sauce. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 70c, prepaid.

Also Known as Golden Macaroni or Noodle Squash



HERBS To Flavor, Season and Garnish

To keep over winter, cut on a dry day, just before they are in full bloom. Dry in the shade and store in air-tight Mason jars.

661. CHIVES—Used for seasoning, of mild onion flavor. Pkt. 8c, $\frac{1}{2}$ oz. 35c, oz. 50c, prepaid.

663. DILL—Seeds have an aromatic odor and pungent taste. Used for pickles. Pkt. 5c, oz. 10c, $\frac{1}{2}$ lb. 40c, lb. 75c, prepaid.

670. MINT—Old-fashioned. Mint leaves add zest to cool, refreshing drinks as lemonade, ice tea, mint juleps. Fine for sauce. Pkt. 10c, oz. \$2.50, prepaid.

671. MARJORAM—The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 8c, oz. 35c, prepaid.

674. SAGE—The leaves and tops are used very extensively for seasoning. Pkt. 8c, oz. 35c, prepaid.

675. SUMMER SAVORY—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressings, etc. Pkt. 8c, oz. 30c, prepaid.

676. THYME—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 8c, oz. 50c, prepaid.

Special Herb Offer

5 Pkts. Your Choice of Any Above 30c Ppd.

CELERIAC Turnip Rooted Celery

The roots are used in salads or boiled like parsnips, or turnips, and have a celery flavor. They keep well all winter. Celery may be cooked and served with cream sauce, or used as a salad.

199. LARGE ERFURT—Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.10, prepaid.

EGG PLANT

One ounce will produce 1,000 plants.

Sow seed in hotbed in March, when an inch high, pot in 3-inch pots. Set out about June 1st, $2\frac{1}{2}$ feet apart.

302. BLACK BEAUTY—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 8c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

KOHLRABI

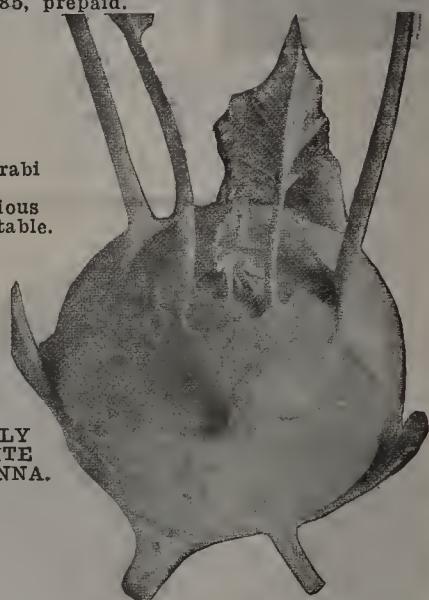
One ounce for 200 feet of row.

Sow the seed in light, rich soil as early in spring as possible. Thin to 6 inches apart in the row. Sow at intervals of 10 days for successive crops. Ready for use when 2 to $2\frac{1}{2}$ inches in diameter.

310. EARLY PURPLE—(62 days.) Dwarf plants having short, green leaves with purple stems and veins. Bulbs globular purple, with white, tender flesh. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.80, prepaid.

311. EARLY WHITE VIENNA—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.85, prepaid.

Kohlrabi is a delicious vegetable.



This is
EARLY
WHITE
VIENNA.

LEEK

312. LONDON FLAG—A species of onion ideal for flavoring soups. Thin plants to 6 inches apart. When 8 inches high transplant in rows 10 inches apart, deep as possible to blanch neck. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50, prepaid.

MUSTARD

315. FORDHOOKE FANCY—A handsome, mild variety, slow to bolt seed stalks; leaves bright green, plume-like, with fringed edges. Delicious as a salad, or cut and boiled like spinach. The reddish-brown seed is used for flavoring and in pickles. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, prepaid.

Mustard Spinach on Page 23

Brussels Sprouts and Broccoli on Page 6

Garlic and Onion Plants on Page 17

Our Vegetable Plant Department

On plant orders less than 60c, add 15c for packing

Transplanted Vegetable Plants

We supply good healthy transplanted plants of all the varieties listed below, in their proper season. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Prices on plants in 1,000 lots are for seedlings. Special varieties will be grown for you if ordered early.

We cannot accept shipments beyond the fourth zone (600 miles) at prices quoted—all shipments beyond the fourth zone are sent at customer's risk.

On Plant Orders Less Than 60c Add
15c for Packing.
50 or more plants at the 100 rate. Ppd. to 3rd Zone

CABBAGE, Early. Ready in April and May. Marion Market (yellows resistant) midseason, Golden Acre, earliest, flat head. \$8.00 per 1,000.	25c per Dozen
CABBAGE, Late. Ready in June. Hollander or Danish Ballhead (yellows resistant). \$8.00 per 1,000.	
CELERY, Early. Ready in June. Golden Self Blanching. \$9.50 per 1,000.	\$1.00 per 100 postpaid
SWEET POTATO PLANTS. Ready in May and June.	

CAULIFLOWER. Ready in April and May. Super Snowball	30c per Dozen
CHIVES. Ready in April. Per bunch, about 1 doz. plants	60c per 100 plants postpaid
TOMATOES. Ready in May and June. Rutgers, Scarlet Topper, Earliana, Ponderosa, Bonny Best, John Baer, Oxheart, Bison. \$10.50 per 1,000.	2.00 per 100 postpaid
NEW MINGOLD TOMATO PLANTS. \$2.90 per 100 . . . 40c per Dozen	
EGG PLANT. Ready in May and June. Black Beauty	35c per Dozen
GROUND CHERRY. Ready in May and June	35c per Dozen
PEPPER. Ready in May and June. Hungarian Early (Hot Pepper) California Wonder	\$2.00 per 100 ppd.
SAGE. Ready in May and June	50c per Dozen

Tomatoes and Peppers—Individual Potted Plants 75c per dozen, prepaid.

FLOWERING PLANTS—See Pages 39, 46, 47, 80.

Washington Asparagus Roots

Giant Rust-proof
See Inside Back Cover

50 prepaid for 90c

Quantity Prices Below

60 plants for a 100-foot row.—Supplies a family of four.

Free circular: "How to Grow Asparagus."

Ask for it!

The tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched. The soil should be deeply dug, and plenty of fertilizer mixed in, before the roots are set out. Set the roots in rows 3 feet apart and 1 1/2 feet apart in the rows. The plants should be set so that the crowns are 2 inches below the surface. One-year-old plants are considered best for setting out.

Price: One-year-old roots, 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid to 3rd zone.—Not prepaid: 500 for \$5.00, 1,000 for \$8.50.

Northern Horse-Radish Roots

Our native Horse-Radish Roots are fast becoming famous among the larger commercial growers. They want Minnesota grown native planting roots for clear white, disease-free flesh. Recent tests have shown our roots to be far superior to those previously grown. As a result, we were unable to supply the demand last season.

It is just as important to change planting stocks in growing Horse-Radish as it is in growing potatoes in order to maintain best quality and yields. Price: 12 for 35c, 50 for 85c, 100 for \$1.50, prepaid.—Not prepaid, 1,000 for \$9.50.

50 for 85c
PREPAID

New Time and Labor Saver.

An amazingly effective hoe for weeding and mulching. Works fast—and so easy to operate—it's child's play!

"PUSH-PULL" HOE \$1.50
ppd.

No chopping—no striking—no lifting. Just an easy push and pull. Blade with six cutting edges—made of high carbon steel, with strong wood handle. Easy on the back! Cuts around trees, shrubs, vines and plants where no ordinary hoe can operate. Price: \$1.50, prepaid.



Frost Proof Cabbage Plants

No Delivery Beyond the Fourth Zone (600 Miles).

On plant orders less than 60c, add 15c for packing

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked and are not injured by shipping or transplanting, as they make strong growth.

We offer the three best sorts in bundles of about 100 of a kind only, which cannot be divided. Prices include postage.

EARLY JERSEY WAKEFIELD, FLAT DUTCH or COPENHAGEN MARKET.

60c per 100 plants postpaid	200 for \$1.10
	500 for \$2.25
	1,000 for \$3.50

Postpaid to 4th zone (600 miles). Not available after May 1.



Frost Proof Cabbage.

Bermuda Onion Plants

Not available After May 1st.

To mature extra early, these are grown in Texas, under winter conditions that make them extremely hardy and vigorous. They produce the finest flavored mild onions, in just a short time. They are excellent to grow for green onions, early in spring, or they may be allowed to develop to their full size and used in the fall. They grow large and are fine for market.

We ship Onion Plants at proper time for setting out. In bundles of 75-100 each.

Prices: Two bundles 35c, 5 bundles 70c, 10 bundles, \$1.15, prepaid to 4th zone. Case of 60 bundles \$3.75, not prepaid, weight 35 lbs.

2 bundles for only 35c prepaid

5 bundles for 70c
10 for \$1.15 prepaid

Surplus Plants Bargain!

At times we have a surplus of certain varieties of Cabbage, Tomato and other vegetable plants, after a day's packing.

We offer these at sacrifice prices, since usually new plants are coming on. All will be in good condition, and the best varieties.

SURPLUS ASSORTMENT OFFER: (Available only after May 20)—Consists of 100 vegetable plants, including cabbage, tomatoes, ground cherries, and other assorted kinds—our selection.

\$1.50 Value for 85c postpaid

Ruby Rhubarb

A new intensely red rhubarb originated in Canada. Even the inside of stalk is red. Makes delicious rhubarb sauce. Price: strong roots 45c each, 3 for \$1.15, 10 for \$3.30, prepaid to 3rd zone.

45c Each
3 FOR \$1.15 PPD.

Victoria Rhubarb

Rhubarb affords the earliest sauces and pies in spring. Set roots out in spring or fall, in rows 4 feet apart so the crowns are an inch below the surface. Do not pull stalks the first season. Plants set out in the spring will bear quite abundantly the following season. Fertilizing in the fall will be of great help to the next season's crop. Price: 3 for 35c; 12 for \$1.10, postpaid to 3rd zone.—Not prepaid: 100 for \$6.00.

3 for
35c
12 for
\$1.10
prepaid



New MacDonald Red Rhubarb

See Inside Back Cover.

This is the new strain becoming immensely popular with growers everywhere, on account of its bright crimson color. It originated in Quebec, and roots only are available. Produces large tender stalks, very succulent, and has a bright raspberry color when cooked. 40c each, 3 for \$1.00, prepaid to 3rd zone.—Not prepaid, 10 for \$2.75, 25 for \$6.50.

40c each
3 for
\$1.00
prepaid

New MacDonald Red Rhubarb.

Minimum Orders from This Page 60c, on Smaller Orders Add 15c for Packing

Page 27

Money-Makers for the Gardener



"Germaco" Hotkaps

MODERN INVENTION PROTECTS PLANTS FROM FROST.

"GERMACO" HOTKAPS can make many extra dollars for you this season. They are patented wax paper cones—“Individual hothouses for each plant”—that completely cover them, and fully protect them from frost, wind, rain, ground-crusting, and insects. This is your assurance of earlier, bigger crops, and higher early-to-market prices. Hotkaps are inexpensive and easy to use.

One man “sets” 2,500 per day.

Hotkaps enable growers to market crops three weeks earlier and reap the fancy prices paid early in season.

PRICES:

Home
Package
Hotkaps

Hotkaps
only.

Leaflet
free

25 Hotkaps and Cardboard Setter	Prepaid to 3rd Zone \$0.60 prepaid
100 Hotkaps with Tin Setter and Tamper.....	2.75 prepaid
250 Hotkaps with Tin Setter and Tamper.....	4.00 prepaid
100 for \$1.85— 250 for \$3.50 prepaid.	
500 for 6.00—1,000 for 10.75 prepaid.	
5,000 at 10.50 per 1,000—not prepaid.	

Steel Hotkap Setter (with handle) and Tamper—\$1.50.
Tin Setter, each 50c; Steel Tamper, 25c.
Weights—1,000—28 lbs., 250—9 lbs., 100—5 lbs.

PREPAID PRICES TO 3rd ZONE

Sage Hi-Caps

A New Type of Plant Protector
Guards plants against rain, frost, insects, wind, birds and crusting. Makes earlier marketing possible. Hi-Caps are especially designed for growing tomatoes and other high growing plants. Well ventilated—amply large, 10 in. diameter at base and 12 in. high. Reinforced construction. One man can set 3,000 in one day. Hi-Caps are economical and inexpensive to use.



Price: No. 2020— 20 Hi-Caps and Paper Setter, 60c p.p.d.
No. 5010— 50 Hi-Caps and Paper Setter, \$1.10 p.p.d.
No. 250— 250 Hi-Caps only, \$4.15 p.p.d.
No. 1,000—1,000 Hi-Caps only, \$10.75, not p.p.d.
5,000 Hi-Caps @ \$10.50 per M, not p.p.d.

Light Weight Aluminum Setter (2 lbs.)—each. \$1.60 p.p.d.

Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants—Tomatoes, Cabbage, Cauliflower, Pepper, Egg Plant, etc. Not recommended for Strawberry Plants.

Each plant is set, watered and covered in one operation, without any stooping or lame backs. Cuts labor to one-third. With the Masters Rapid Plant Setter, one man will set 8,000 to 15,000 plants per day—this is more than three men can do by hand.

Does Perfect Work.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is “Nature’s Own Way.” Transplanting losses are reduced to the minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once.

Thousands are in use—they are guaranteed to satisfy you fully or money back. This Setter will pay for itself within the first week of use. Price: \$5.25, prepaid. Weight, 7 lbs.



Neponset Plant Bands

For starting and growing seedlings—shipping young plants—protection against cutworms.

Neponset Plant Bands are made of heavy durable, waterproof paper. The ingenious side locking construction makes for convenience in setting up.

Plant Bands: Size 2-inch—100 for 50c, prepaid. Not prepaid—500 for \$1.70—1,000 for \$3.00. Three-inch size, for larger plants, 100 for 60c, prepaid. Not prepaid, 500 for \$2.15—1,000 for \$4.00.

KWIK-WORK DANDELION KNIFE 35c prepaid

Just a jab and you sever the tap-root which puts an end to the dandelion. Later rake up the roots and no holes in the lawn. Made of tempered steel with 10-inch blade. Well suited for cutting asparagus. 35c, prepaid.



Neponset Flower Pots

Adapted for growing, transplanting or shipping. Made of tough, waterproof green paper, eliminating breakage. Permits speed in handling and more economical than clay pots. Used by the best gardeners everywhere. The green pots are somewhat heavier for frequent handling. Weight 4 in., 52 lbs. per 1000.

PRICES:	25	100	1,000
2 1/2-inch, green..	\$0.30	\$0.80	\$6.00
3 -inch, green..	.35	1.00	6.75
3 1/2-inch, green..	.40	1.25	8.25
4 -inch, green..	.45	1.35	9.75
5 -inch, green..	.55	1.75	14.00



Berry Boxes and Crates

EWALD'S FOLDING BERRY BOX



Complying with all state laws, this box is considered the most practical—saves time and effort—no nails or stapling. A strong non-collapsible box. Packed 125 quart boxes in a crate.

Quart Size—125 boxes, \$1.50; 250 boxes for \$2.85; 500 for \$4.85; 1,000 for \$9.00.

Pint Size—100 boxes, \$1.20; 200 for \$2.25; 400 for \$3.95; 1,000 for \$8.00, f. o. b. Faribault. Exp. or freight only in 400-1,000 lots.

EWALD CRATES { 24-Quart size—22c each; 100 @ 20c each.
{ 24-Pint size—20c each; 100 @ 18c each.
(Shipped K. D.)

AMERICAN ONE-QUART BASKETS AND CRATES

All made up—firmly constructed—standard size—packed nested. Our best seller and most economical to pack. Price: 100 baskets, \$1.00, 500 baskets, \$3.95, 1,000 baskets, \$6.95.

PINT SIZE BASKETS—100 for 90c, 500 for \$3.75, 1,000 for \$6.75. F. O. B. Faribault. Exp. or frt.

CRATES FOR AMERICAN BASKETS

Sixteen-quart crates—100, \$18.00; less quantities, 20c each. Twenty-four pint crates—100, \$16.00; less quantities, 18c each.

F. O. B. Faribault.

Weight: 100 quart baskets—13 lbs. 500 packed in one crate—65 lbs.

125 Folding quart boxes, with one crate—15 lbs.
Special boxes for Everbearing Strawberries—12 Old Style Pint Berry Boxes packed in a 12-pint crate.

Complete with cover, 23c each; 25 at 21c; 100 at 20c each, F. O. B. Faribault.

Cutworms? Veneer Plant Guards

Protects plants from damage by cutworms—acts as fertilizer.

May be readily placed around the plants just after planting. The wood bands will not choke or hinder growth or development of the plants. After 8 to 10 weeks the bands are absorbed by the soil and act as a fertilizer, promoting healthy plant growth. Set bands about two inches in the soil. Shipments: Freight or Express.

Price: 3x8-in. Bands (packed flat), 100 for 50c, prepaid. Not prepaid, 500 for \$1.25, 1,000 for \$2.00. 4x10-in. Bands, 100 for 75c, prepaid. Not prepaid, 500 for \$1.60, 1,000 for \$3.00. Weight, 20 lbs. per 500. For those who prefer quart size Basswood berry box bands, especially suitable for melon, cucumber and tomato plants, we offer them packed flat at 100 for 65c prepaid; 500 for \$2.00, 1,000 for \$3.75 not prepaid.



Ideal Weeder

Indispensable for all garden work. Just the thing for close work around delicate plants. Most practical weeder on the market. Used by the best gardeners everywhere.

Price: 25c each, 3 for 65c, postpaid.

Hole-In-One Planting Tool

Just the thing for setting out plants—makes a hole-in-one operation. Simply cut the tool into the soil and in withdrawing the tool, with a twisting motion, out comes a plug of soil—leaving a perfectly flat bottomed hole. No ragged edges, but a firm base for your plants.

This tool is made of high grade steel rigidly constructed—finished in bright red. Price: 55c, prepaid.

The same tool with long handle, designed for hard work and with adjustable foot rest for controlling planting depth, \$2.90, f. o. b. Faribault.



FROM OUR
Northern
Nursery

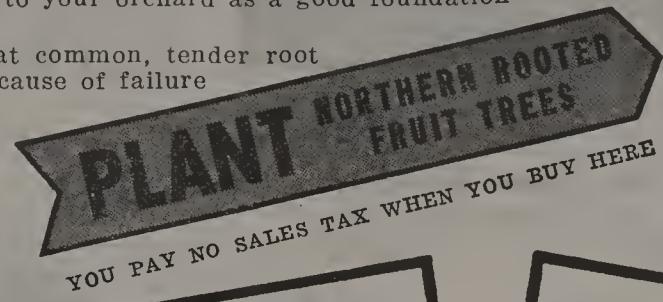
Hardy Minnesota Grown TREES & PLANTS

Common rooted fruit trees shipped from sections further south, may look the same as northern rooted trees—may even start all right in favorable seasons. But when the first hard winter comes along, and there is little or no snow for protection, common rooted trees are quite sure to be injured or even killed, leaving a dead or crippled orchard.

An apple tree is no hardier than the root it is grafted upon. Hardy root stocks are as vital to your orchard as a good foundation is to your home.

Actual tests show that common, tender root stocks are the greatest cause of failure

in the orchard. Commercial growers know how important root stocks are to the life of their trees. You too, can depend on our northern rooted fruit trees.



EARN FREE GIFTS
With Your Early Nursery Order
Look for the 3 Stars!!!

Order Nursery Stock from any 3 star page (any page marked with 3 stars at the top: ★★★). Send us this order with full remittance BY APRIL 15, 1940 and you may choose from the FREE Gift list below as follows: On three star Nursery Orders of \$3.00 to \$5.00 choose any one gift, on 3 star orders of \$5.00 to \$10.00, choose any two gifts, and over \$10.00, any 3 gifts. Gifts must be requested on order—and GIVEN ONLY ON ORDERS FROM 3 STAR PAGES.

A—1 Hanson Bush Cherry, 2 yr. E—10 Latham Raspberries.
B—3 Fredonia Grapes. F—1 Scarlet Honeysuckle.
C—1 Haralson Apple, 18-24". G—2 Black Walnuts, 18-24".
D—1 Dble. Red Japanese Rose. H—1 Pink Climbing Rose.



A—Common Rooted
McIntosh, 15 years old.

B—Northern Rooted
McIntosh, 15 years old.

In comparative tests, 50 common rooted trees and 50 northern rooted trees of the same size and age were planted under identical conditions.

Note the vast difference at 15 years. Of the original 50 common rooted trees, many are gone entirely. Those remaining are less than one-third the average size of the northern rooted trees, and have borne only one-fifth as much fruit.

**\$1.00
Nursery Bargains**

4 Winter Apples, 2-3 ft. (our selection)	\$1.00, postpaid
4 Hardy Cherries, 2-3 ft. (our selection)	1.00, postpaid
3 Hardy Pears, 2-3 ft. (our selection)	1.00, postpaid
27 Latham Raspberry Standard	1.00, postpaid
27 Alfred Blackberry Standard	1.00, postpaid
6 Fredonia Grape, 1 year	1.00, postpaid
8 Red Leaf Barberry, 1 year	1.00, postpaid
20 Buckthorn, 12-18 in.	1.00, postpaid
10 Bridal Wreath Spirea, 1 year	1.00, postpaid
10 White Walnut (Butternut), 1-2 ft.	1.00, postpaid
10 Black Walnut, 1-2 ft.	1.00, postpaid
15 Colorado Blue Spruce Seedlings	1.00, postpaid
20 Black Hills Pine Seedlings	1.00, postpaid

About Shipping

SMALL ORDERS—On nursery orders under \$1.00, it is necessary to include 15c extra packing charge due to high cost of properly packing live plants. No packing charge on orders of \$1.00 or more.

SHIPPING CHARGES—Nursery orders in which all items are quoted prepaid, will be sent prepaid to the 4th zone or 600 miles only. Beyond that, extra postage will be requested.

NOT PREPAID ITEMS are too large to mail, and will be shipped express or freight. Customer to pay express or freight charges when he receives shipment.

ORDERS CONTAINING BOTH Prepaid and Not Prepaid Nursery items will be sent in one shipment by express or freight. We pay part of shipping cost at this end—customer to pay balance of charges on receiving shipment.

NO NURSERY SHIPMENTS INTO THESE STATES—because of great distances and high permit fees: Florida, Mississippi, New Mexico, South Carolina, West Virginia, Wyoming and Canada.

SHIPPING TIME—We start shipping about March 15, depending on weather, and continue through April and May. We try to have shipment arrive at best planting time in your section. Orders guaranteed to arrive in good growing condition. Planting instructions included.

OUR FAIR PLAY GUARANTEE

All of our Nursery Stock carries the Minnesota Inspection Certificate and is guaranteed true to name and in good growing condition. If for any reason you do not find everything just as represented, notify us at once and we will order shipment returned, refund your money, or replace the items without charge.

Any tree or plant that dies the first growing season we will replace at half the catalog price, the following spring, if loss is reported by October 15th following date of purchase.

We cannot be responsible for losses other than the above.

SEND PART REMITTANCE ONLY—Make your selections now, so the best specimens may be reserved for your order. If you prefer, send one-third of the amount due with the order—balance can be paid at shipping time.

Add 15c for Packing Cost on Nursery Orders if Less than \$1.00.

Certified RASPBERRY PLANTS ★ ★ ★**Big Red Latham**
One Inch in Diameter!—

See Color Page 40

The nationally known King of Red Raspberries. Originated in Minnesota, and grown everywhere. A perfectly hardy, strong, vigorous grower, outyielding all others. Most profitable for market. Quantity prices below.

Early Red Chief
Ten Days Earlier—**25 For
95c**

The best early variety—most profitable for early marketing. For continuous fruit production we recommend Chief and Latham. Excellent quality and good yielder. Quantity prices below.

Indian Summer
Everbearing Red Raspberry

See Color Page 40

**12 For
\$1.00**

A new Two-crop Red Raspberry developed by the New York Experiment Station. Bears in summer and again in fall, continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. Plants are hardy and vigorous growers. A real chance to profit from fall marketing. Quantity prices at right.

Mammoth
Boysenberry—

See Color Page 41

**12 For
\$1.20**

The largest bramble berry. Berries are 1 1/2 to 2 inches long, and of purple color. Flavor is superb and rich. A pleasing blend of Raspberry and Dewberry—fine for eating fresh or canned. A real money maker for market. Requires some winter protection.

PRICES: 6 plants for 69c, 12 for \$1.20, 25 for \$2.25, 50 for \$3.95, 100 for \$6.85, prepaid. See illustration page 41.

Currants
RED LAKE—(Minn. 24)**3 For
65c**

A Minnesota introduction producing heavy crops of big, red berries in long clusters. The bushes are strong and vigorous with healthy foliage. Makes beautiful sparkling bright red jelly.

PRICE: 1-year size: 3 for 65c, 5 for 85c, 10 for \$1.50, 25 for \$3.15. Two-year size: 3 for 95c, 5 for \$1.35, 10 for \$2.35, 25 for \$4.65, prepaid.

Gooseberries
"CARRIE"—The Best Variety**3 For
75c**

A heavy yielder of good-sized fruit. Perfectly hardy and recommended by Professor Hansen as foremost in quality and productiveness. No shipments made to Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island, Vermont.

PRICE: Standard size, 3 for 75c, 5 for \$1.00, 10 for \$1.85. Heavy grade: 3 for \$1.25, 5 for \$1.60, 10 for \$2.95.



Minnesota Grown and State Inspected Plants

FREE 5 Page Leaflet on Planting and Care of Red Raspberries.**Cumberland**
Black Cap Raspberry—

See Color Illustration Page 40

**12 For
75c**

Most profitable Black Cap berry to grow—produces big crops year after year—succeeds on all kinds of soil. Berries extra large, glossy-black. Quantity prices below.

New Sodus
Purple Cap Raspberry**12 For
\$1.00**

A new Raspberry especially noted for fruit production. Berries are large, firm, fine quality and have a wine-red, purple color. You will prize this variety highly. Quantity prices below.

OUR LOW**PRICES ON RASPBERRIES!**

	Postpaid Prices				Not Prepaid— (Freight or Express)		
	12	25	50	100	250	500	1,000
Latham or Chief	{ 1 yr. Medium .....	... .	... .	\$2.10	\$ 4.65	\$ 7.00	\$13.45
	{ 1 yr. Standard	\$0.95	\$1.65	2.95	6.65	9.95	18.85
	{ 2 yr. Heavy	1.85	2.85	4.65	9.95	15.35	29.50
Indian Summer	{ 1 yr. Standard	\$1.00	1.95	3.25	5.35	11.45	18.00
	{ 2 yr. Heavy	1.50	2.95	4.85	8.35	17.85	29.85
Cumberland Black	—1 yr.....	.75	1.10	1.85	3.35	7.75	12.95
Sodus Purple	—1 yr.....	1.00	1.95	3.25	5.35	11.45	18.00

GROW BERRIES for Home or Market**Alfred Blackberry**

See Color Page 41

**25 For
98c**

Stands 35 Degrees Below Zero

A crop the second season. Berries are twice as large as ordinary blackberries—often 1 1/2 inches long. The ideal table berry—of fine flavor and practically coreless, with but few small seeds.

PRICE: Standard size: 25 for 98c, 50 for \$1.65, 100 for \$2.95. Heavy select: 12 for \$1.15, 25 for \$1.95, 50 for \$3.35, 100 for \$5.95, prepaid. Write for quantity prices.

Jumbo Blueberry

See Illustration Page 41

**2 For
\$1.69**

Giant Blueberries—two to three times as large as native ones, grow on beautiful ornamental bushes with bell-shaped pinkish blossoms. Make delicious sauce and pies! Planting directions free. They require acid soil, so these plants come packed in acid humus. Strong plants furnished—no replacements made.

PRICE: 2 plants, 2-year size, \$1.69, 5 plants for \$3.75, 10 plants for \$6.75, prepaid. Acid humus free.

Fredonia Grape**3 For
65c**

New, Hardy Black Grape—

The earliest large-berried Grape for the North—three weeks earlier than Concord. Vines are vigorous—clusters of medium size, very compact. Offers great opportunities for market or home use. PRICE: Same as Beta.

Portland Grape**3 For
75c**

Earliest Green Grape—

Holds first place as an early green grape. The vine is very vigorous, productive and healthy. Bunches and berries are larger than any other early green grape. Fine quality.

PRICE: 1-year size, 3 for 75c, 5 for \$1.00, 10 for \$1.85, 25 for \$3.85. 2-year size, 3 for \$1.25, 5 for \$1.60, 10 for \$2.95, 25 for \$5.65, postpaid.

Beta Grape

As Hardy as the Wild Grape

**3 For
65c**

Always dependable, producing heavy crops every year. Fruit of medium size, good quality, early—excellent for jelly and grape juice.

PRICE: 1-year size: 3 for 65c, 5 for 85c, 10 for \$1.50, 25 for \$3.15. Two-year size: 3 for 95c, 5 for \$1.35, 10 for \$2.35, 25 for \$4.65, prepaid.

SPECIAL OFFER
6 Best Hardy GrapesAll for
1—Portland (1-year size)
2—Betas (1-year size) **\$1.00**
3—Fredonias (1-year size) **Ppd.**

New Improved APPLES

NORTHERN ROOTED TREES

See Color
Illustrations
Page 40.

BIG RED HARALSON APPLE—Produces a good size, deep red, winter apple of excellent flavor, with outstanding keeping qualities—keeping in perfect condition until late spring. It is free from blight and, best of all, has the tendency to bear early.

CORTLAND—(Improved McIntosh.) This new apple is smashing its way into front page popularity. Its bright red color and top-notch quality make it a favorite of the late fall apples. Flavor is delicious. They are easy to grow and hang long on the trees.

McINTOSH RED—A most important fall and early winter variety. Large orchards are being set out with McIntosh Red predominating. An exceptionally fine eating apple, of good size, bright red color, and a delicious aromatic flavor. Season, January.

NORTHWESTERN GREENING—The fruit is very large, smooth, handsome, turning yellow as it matures. In good demand as a baking and cooking apple for late winter and spring. Season, December to March.

YELLOW TRANSPARENT APPLE—Delicious golden yellow apples. Good to eat long before other sorts are ready. Fruit large, yellow with crisp meat and delicious flavor.



Northern Rooted McIntosh at right, Common Rooted McIntosh at left. Both 15 years old. Five times more fruit on the Northern Rooted tree!

2-3 ft. trees, 30c each, 4 for \$1.00 ppd.

3 to 4 Ft.
TREES **39c** 4 for \$1.40
POSTPAID

10 for \$3.35

4 to 5 Ft.
TREES **45c** 4 for \$1.65
Express or Frt.
Not Prepaid

10 for \$3.95

WEALTHY—The leading apple for its season (Sept. to Jan.). The fruit is large, a beautiful shade of deep red, and the flavor excellent. One of the best eating apples grown in the Northwest. A good keeper and heavy yielder.

DELICIOUS—A favorite winter apple for commercial and home orchards. Fruit large, fresh fine grained, sweet, juicy and really delicious. Our northern rooted stock is hardy in favorable locations.



Big Red
HARALSON

DOUBLE RED DUCHESS—A new summer apple, with all the Duchess qualities of hardiness, earliness, and heavy yield. In addition, it has HIGH RED COLOR.

ANOKA—Summer apple, very early to ripen, which bears the second year. Resists blight and produces a consistent crop.

Special Apple Varieties ~

NEW BEACON—(Minnesota No. 423.) Early fall red eating apple. Ready before Wealthy or McIntosh. Ripens but a few days later than Duchess and will keep a month after harvest. It is highly colored, fine quality and solid red. Hardy, very productive.

DOLGO, THE LAWN TREE CRAB—Has rare beauty as an ornamental lawn tree, and is perfectly hardy. The apple itself is a very rich red, and jells perfectly, even when dead ripe. A fine canning crab.

WHITNEY CRAB—A favorite in the home for canning and preserving. Fruit is of good size—very highly colored. Immense crops.

MINNESOTA NO. 790—A splendid new large red winter apple from the Minnesota Fruit Breeding Farm. Adapted south of St. Paul. Hardier and considered superior to Roman Beauty, popular baking apple. No. 790 is highly prized for size, color, flavor and hangs well on the trees.

NEW MINNESOTA 1007—(PRAIRIE SPY) A new long-keeping, super quality apple, so far superior to others marketed after Christmas, that a ready market awaits all that can be grown for many years. Very productive and fruit hangs well to trees. No finer quality anywhere. Adapted south of St. Paul.

2 to 3-ft. trees, 40c each, 4 for \$1.40 ppd.

3 to 4 Ft.
TREES **49c** 4 for \$1.65
POSTPAID

4 to 5 Ft.
TREES **55c** 4 for \$1.95
Express or Frt.
Not Prepaid

Northern Rooted

SUPERIOR—A hardy plum originated at the State Fruit Breeding Farm by crossing big California Burbank varieties. As large as California plums, surpassing them in quality and hardiness. Firm flesh, beautiful red color, peels like a peach.

FIEBING PRIZE PLUM—This big Red Plum was introduced by Chas. Haralson, and was given the Fiebing Prize at the Minnesota State Fair. The fruit ripens early, is extremely large, has firm flesh, excellent flavor and a beautiful red color. Fiebing is equal to California Plum in size and quality.

UNDERWOOD—Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Surprise should be planted close together to insure setting of fruit.

SURPRISE—A sweet, juicy plum, excellent to eat. Surprise is also an efficient pollinator for Jumbo plums, or for any common plums.



3 to 4 Ft.
TREES **39c** 4 for \$1.40
POSTPAID

4 to 5 Ft.
TREES **45c** 4 for \$1.65
Express or Frt.
Not Prepaid

JUMBO PLUMS

NEW EMBER—A new origination of our State Fruit Breeding Farm. A late plum of good size with fine dessert and canning qualities. It is yellow with attractive red blush. It hangs to the trees until fully ripe, and keeps in good condition for weeks.

Special Plums

NEW HENNEPIN—This delicious new red-fleshed plum just released from the State Fruit Breeding Farm, ranked first in preserving tests made by the State Horticultural Dept. Be sure to add Hennepin to your orchard—it's the finest canner we know of. See color photo page 41.

KAGA—An outstanding canning plum originated by Prof. Hansen of the S. D. Agricultural College. Has a distinct, delicious flavor, and is sometimes called the apricot plum. For canning or jam, it is unsurpassed. A fine pollinator.

3 to 4 ft. Trees 49c ppd., 4 to 5 ft. 55c npdd.

Cherries

Hardy Minnesota Grown

(See Color Photos on page 41)

MORDENA CHERRY—39c

Originated at Morden Experiment Station, Manitoba, Canada. After two of the severest winters on record in the Winnipeg district, Morden trees were loaded with fruit to the topmost branches, eight feet in the air. It is a few days earlier to ripen and very much harder than Compass. Morden is very good for eating, or for all cooking purposes. Stock very limited. Prices below.

SAPA CHERRY—39c

Its beautiful wine-red color, excellent quality and delicious flavor have made Sapa the most popular cherry for northwest fruit farms. It is a large sized hybrid cherry with small pit. Thin skinned, purple-red outside, with rich dark wine-colored flesh.

Sapa should be grown in bush form and pruned severely to encourage growth of new shoots that will fruit heavily and regularly. The Compass Pollinator Cherry listed below should be included in every Sapa planting. Prices below.

OKA CHERRY—39c

A fine hardy hybrid cherry, with skin and flesh a rich purple-red color. The meat is firm, juicy and of superb flavor. The trees are immensely productive and fruit regularly. Should be grown in bush form as suggested for Sapa. For best results plant with Compass Pollinator Cherry. Prices below.

COMPASS CHERRY—39c

Indispensable as a Pollinator

Hardy throughout the Northwest and Canada. Fruit is black, of medium size and good quality. Makes delicious pies, preserves, etc.

3 to 4 Ft.
TREES

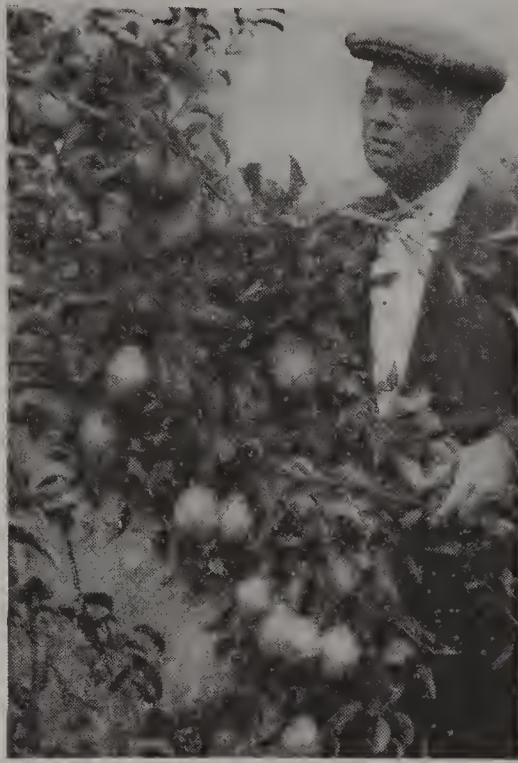
39c

4 for \$1.40
POSTPAID

4 to 5 Ft.
TREES

45c

4 for \$1.65
Express or Frt.
Not Prepaid



Parker Pears in Our Nursery.

BUSH CHERRY Hansen's Super Hardy

This hardy bush cherry produces an abundance of deep red fruit exceptionally early. It makes the finest jam and is of excellent flavor. It will stand severest drought and can also be used for hedges or for foundation planting. The foliage is silvery-green, turning to red and gold in fall.

2 Yr. | Each 30c | Post-
3 for 75c | paid

APRICOT New Northern

For the first time we offer a new hardy apricot—introduced by Professor Hansen of S. D. State College. Matures in the Northwest—is drought-resistant and produces good size yellow fruit of excellent flavor. It has stood 40° below zero. Makes excellent jam and is fine for canning.

2 to 3' ppd. 58c | 3 to 4' ppd. 68c

BANTAM PEAR Minnesota No. 3

This new pear was originated at the Minnesota State Fruit Breeding Farm. It is considerably hardier than any of the other varieties grown in Minnesota. While not as large as Parker, it is of exceptionally HIGH QUALITY and PERFECTLY HARDY. This new variety will be given a name this year. Supply limited.

3 to 4' ppd. 49c | 4 to 5' Nppd. 59c

Hardy Hedge Plants

CHINESE HEDGEWOOD 10 for 50c

Extremely hardy, drought resistant and a quick, compact grower. Covered with small, bright green foliage from early spring until late fall. Forms a dense screen. Can be grown to any height desired.

Price, 12-18 in.: 10 for 50c, 50 for \$1.85, 100 for \$3.85; 18-24 in.: 10 for 75c, 50 for \$2.45, 100 for \$4.45, prepaid. Not prepaid, 2-3 ft.: 10 for 85c; 50 for \$3.35, 100 for \$5.35.

SPIREA VAN HOUTTEI 10 for \$1.15

Bridal Wreath. Most popular flowering hedge. The graceful, drooping sprays are ideal for growing untrimmed.

Price, 12-18 in.: 10 for \$1.15, 50 for \$3.95, 100 for \$7.35; 18-24 in.: 10 for \$1.65, 50 for \$4.85, 100 for \$8.35, prepaid.

Hedge Shears

No. 201



\$1.35

ppd. Tool with 8-inch Blades.

BUCKTHORN—10 Plants 60c

A very hardy and dense tight ornamental hedge. Properly sheared will give a very formal effect.

Price, 12-18 in.: 10 for 60c, 50 for \$2.25, 100 for \$3.75; 18-24 in.: 10 for 95c, 50 for \$4.35, 100 for \$7.85, prepaid. Not prepaid, 2-3 ft.: 10 for \$1.35, 50 for \$5.35, 100 for \$8.85.

CARAGANA—10 Plants 45c

Numerous twiggy branches, covered with bright green fern-like leaves. A supreme hedge plant for severe climates, poor soil and dry locations. Can be pruned to any desired height.

Price, 12-18 in.: 10 for 45c, 50 for \$1.65, 100 for \$2.95; 18-24 in.: 10 for 65c, 50 for \$2.35, 100 for \$4.45, prepaid. Not prepaid, 2-3 ft.: 10 for 85c, 50 for \$2.95, 100 for \$4.65.

RUSSIAN OLIVE—10 Plants 75c

Foliage of beautiful silver gray. Makes a beautiful tall screen hedge. Extremely hardy and drought-resistant.

Price, 12-18 in.: 10 for 75c, 50 for \$2.45, 100 for \$4.35; 18-24 in.: 10 for 95c, 50 for \$3.85, 100 for \$5.85, prepaid. Not prepaid, 2-3 ft.: 10 for \$1.15, 50 for \$4.35, 100 for \$7.15.



Japanese Barberry—the Ideal Hedge.

JAPANESE BARBERRY 10 for 65c

Thunbergi. Makes a neat, low boundary. Can be trimmed or grown naturally. Foliage turns to brilliant crimson in fall; branches are covered with scarlet berries.

Price, 12-18 in.: 10 for 65c, 50 for \$2.35, 100 for \$3.85; 18-24 in.: 10 for 85c, 50 for \$2.95, 100 for \$5.65, prepaid.

Add 15c for Packing Cost on Nursery Orders if Less than \$1.00.

Pears

Vigorous and Cold Resistant

(See Color Photos page 40)

PARKER PEAR—39c

(Minnesota No. 1)

Introduced by the Minnesota State Fruit Farm, this splendid pear has been well tested in different parts of the state, and is now recommended for general planting in the southern half of Minnesota and similar latitudes. The fruit is medium to large, with smooth medium thick skin; color, yellow-bronze with faint blush. Flesh is fine-grained, tender, sweet, and juicy. Fruit ripens in early Sept. Prices below.

PATTEN PEAR—39c

Originated by Chas. Patten a number of years ago, this pear has been thoroughly tested and is now recommended for planting in southern Minnesota and suggested for trial in favorable locations farther north. The fruit is of good size, resembles Bartlett in form and color; very tender, juicy and of good quality. Season September. Prices below.

3 to 4 Ft.

TREES

39c

Prepaid

4 for \$1.40

4 to 5 Ft.

TREES

45c

Not ppd.

4 for \$1.65

45c

4 for \$1.65

Shade & Ornamental Trees

Elms ★ ★ Maples

CHINESE ELM, SIBERIAN STRAIN—The fastest growing shade, ornamental or windbreak tree. Very hardy—resistant to drought and extreme temperatures. Attains a height of 60 ft., and girth of 12 ft. or more.

Chinese Elm Shade Trees.						
PRICES	STANDARD		HEAVY		Size	Each
	4	12	4	12		
4-5 ft...	.25	.70	1.95	.40	1.40	3.85
5-6 ft...	.30	1.00	2.75	.55	1.95	4.85
6-8 ft...	.65	2.45	6.85	1.00	3.75	10.65
8-10 ft...	1.40	4.35	12.65	1.85	5.45	14.85

AMERICAN ELM—The most popular hardy native tree. Grows tall, graceful and spreading, with drooping foliage. Very hardy. Price: 5-6 ft. trees, 45c each, 4 for \$1.55, 12 for \$4.35; 6-8 ft., 75c each, 4 for \$2.75, 12 for \$7.95; 8-10 ft., each \$2.00; 4 for \$7.85.

Poplars

LOMBARDY POPLAR—Tall growing tree, used extensively for landscape effect and screen planting—a rapid grower. Price: 5-6 ft. trees, 35c each, 4 for \$1.15, 12 for \$2.85; 6-8 ft. trees, 45c each, 4 for \$1.65, 12 for \$4.65.

NORWAY POPLAR—Also called Carolina poplar, a hardy quick-growing tree with bright green, dense foliage. Grows anywhere. Price: 4-5 ft. trees, 4 for 60c, 12 for \$1.45; 5-6 ft., 4 for 75c, 12 for \$1.85.

NOTE:

All shade trees f. o. b.
Farnault ship'd express or freight



HARD OR SUGAR MAPLE—Straight, spreading, symmetrical in form. A fast grower—attaining immense size—frequently 100 ft. tall. Beautiful foliage, especially in autumn when leaves turn to clear yellow and scarlet. Price: 4-5 ft. trees, 60c each, 2 for \$1.00; 5-6 ft., 75c each, 2 for \$1.35.

SILVER OR SOFT MAPLE—Leaves appear in early spring, are bright green in color with lower side silvery. Price: 5-6 ft. trees, 85c each, 2 for \$1.55; 6-8 ft., \$1.10 each.

NORWAY MAPLE—Grows to large size, with deep green foliage which turns to pale yellow in autumn. Leaves red, turning to green, in early spring. Price: 6-7 ft. trees, \$1.20 each, 2 for \$2.00; 7-8 ft., \$1.35 each, 2 for \$2.45.

RED SCHWEDLER MAPLE—Has gleaming purple-red leaves, turning to purplish-green in mid-summer, and golden yellow in fall. Price: 6-7 ft. trees, \$1.55 each, 2 for \$2.85; 7-8 ft. trees, \$1.85 each, 2 for \$3.45.

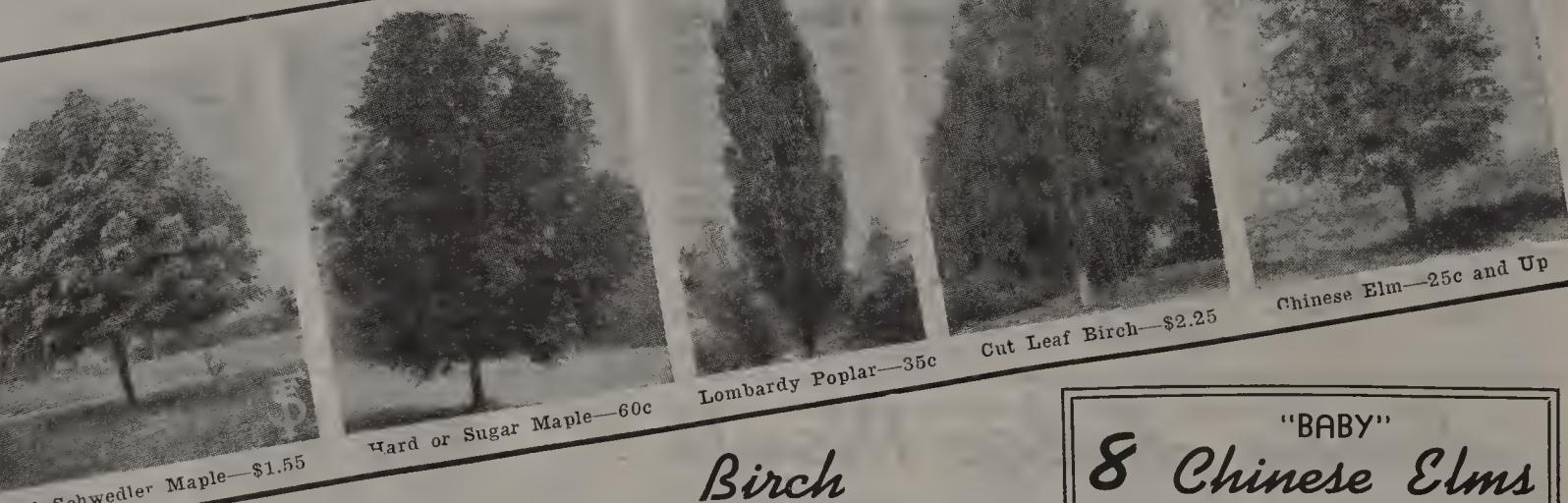
Locust

HONEY LOCUST (THORNLESS)—Very delicate foliage—very fragrant flowers followed by bean-like pod. Trees sturdy and drought resistant. Price: 4-5 ft. trees, 65c each, 2 for \$1.15. 5-6 ft. 85c each.

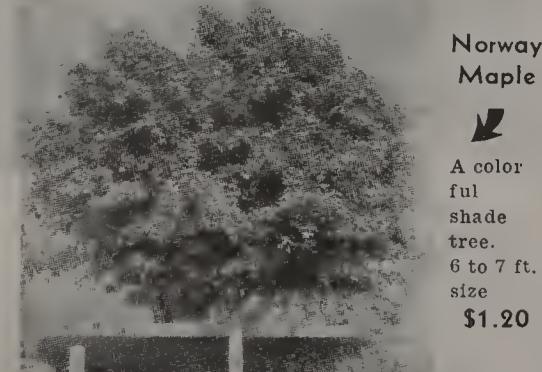
Ash

GREEN ASH—A quick-growing hardy tree—very drought-resistant and disease-free. Price: 5-6 ft. trees, 75c each, 2 for \$1.15; 6-8 ft., 90c each, 2 for \$1.45.

MOUNTAIN ASH, EUROPEAN—Very showy lawn tree with its large clusters of bright orange berries, in autumn. Beautiful dark green foliage. Price: 4-5 ft. trees, 85c each, 2 for \$1.55; 5-6 ft., \$1.25 each, 2 for \$2.35.



BLACK WALNUT—Well shaped, dependable shade trees, combining beauty with usefulness. The nuts are highly prized. Price: 4-5 ft. trees, 60c each, 2 for \$1.10; 5-6 ft., 85c each, 2 for \$1.45.



Norway
Maple

A color
ful
shade
tree.
6 to 7 ft.
size
\$1.20

CUT LEAF WEEPING BIRCH—Has a beautiful drooping foliage. A fast grower—very showy with its white bark. Price: 5-6 ft. trees, \$2.25 each, 2 for \$4.25; 6-7 ft., \$2.95 each, 2 for \$5.65.

WHITE BIRCH—A graceful tree with white bark—very desirable as a lawn tree. Price: 5-6 ft. trees, \$1.35 each, 2 for \$2.45.

FLOWERING CRABS

HOPA (ROSE PINK)—Produces fire-red fruit, fine for jelly. Very ornamental.

RED SILVER—Maroon red fruit and blossoms.

MANCHURIA (WHITE)—3-4 ft. trees only.

Your Choice of Any Above Flowering Crabs: 3-4 ft. trees 69c each, 2 for \$1.25; 4-5 ft. trees 87c each, 2 for \$1.55, prepaid.
One each of above, 3-4 ft., \$1.65, prepaid.

HACKBERRY—One of the hardiest native trees. Free from insect pests—well shaped. Price: 5-6 ft. trees, \$1.00 each, 2 for \$1.85.

American
Elm

grandest
of all
shade
trees
4-5 ft.
Trees
45c
6-8 ft.
Trees
75c





This doorstep planting consists of two Pyramidal Arbor Vitae and two Mugho Pines. The end groups of Silver Junipers and several low Savin and Pfitzer Junipers.

Evergreens

Plants NOT marked B&B (Balled & Burlapped), can be had with ball of earth for 50¢ each additional. All Junipers and Arbor Vitae should be ordered balled and burlapped to insure results. We cannot guarantee any specimen evergreen not ordered balled and burlapped.

For Lawn or Group Planting

SPRUCE, COLORADO MEDIUM BLUE (*Picea pungens*) Develops a broad pyramid thickly studded with branches clear to the ground, covered with heavy lustrous foliage of varying tones—sometimes deep green, again touched with silver, while others have a decided blue tinge. All grown from seed gathered from select Blue Shiners, but do not show blue until 18 to 24 inches high. Well rooted, three times transplanted. Prices: 2 to 3 feet, \$2.65 each, 2 trees for \$5.25; 3 to 4 feet, B&B \$4.35, 2 trees for \$7.85, not prepaid.

SPRUCE, COLORADO BLUE SHINERS (*Picea pungens glauca*). The "Extra Blue" trees—trees of magnificent form, as their thick branches climb in even layers from a broad base to a tapering crown, with heavy, lustrous foliage reflecting the most glorious silver and blue tones. Well rooted, heavy specimens, three times transplanted. Shipped with ball of earth burlapped on roots. Price: 2 to 3 feet, B&B, \$4.45 each, 2 trees for \$8.35; 3 to 4 feet, B&B, \$6.45 each, 2 trees for \$12.35, not prepaid.

BLACK HILLS SPRUCE — Extensively used for landscape planting, also for windbreak. Grows very bushy, compact and symmetrical. Has unusually thick foliage, and is easy to grow. Choice specimen trees with a well-developed root, twice transplanted. Price: 2 to 3 feet, \$2.25 each, 2 trees for \$3.95; 3 to 4 feet, B&B, \$4.45 each, 2 trees for \$8.35, not prepaid.

Evergreens for Foundation Planting

PFITZER JUNIPER — Has spreading branches, handsome gray-green foliage—hardy everywhere and one of the most popular Junipers. Grows 3-4 ft. tall—thrives in shade or sunshine. Price: 12-15 in. across, \$1.25 each, 2 for \$2.15, not prepaid.

SILVER JUNIPER — Forms a narrow compact symmetrical pyramid of light silver—so decorative, especially for entrance planting. Can be trimmed as desired and will attain a height of 12 to 15 feet at maturity if untrimmed. Price: 15 to 18 inches, \$1.45 each, 2 for \$2.65; 2 to 3 feet, B&B, \$4.25, 2 for \$7.95; 3 to 4 feet, B&B, \$4.95, 2 for \$9.65, not prepaid.

SAVIN JUNIPER — Beautiful trailing Juniper—favorite of all landscape planters. Has dark green tufted foliage, covering dense spreading branches. Extremely hardy—can be trimmed as desired. 12-15 in. across. Price: 75¢ each, 2 for \$1.30, not prepaid.

PYRAMIDAL ARBOR VITAE — Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Compact and of natural pyramidal form. Three times transplanted. Price: 2 to 3 feet, \$2.45 each, 2 trees for \$4.65; 3 to 4 feet, B&B, \$3.45 each, 2 for \$6.75, not prepaid.

AMERICAN ARBOR VITAE (White Cedar). Will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Develops a compact, graceful pyramid. Easily controlled by trimming. Price: Three times transplanted, 2 to 3 feet, heavy specimens, \$1.15 each, 2 trees for \$2.00; 3-4 feet, B&B, \$1.75 each, 2 for \$3.15, not prepaid.

DWARF MUGHO PINE — Dwarf, bushy, compact. Ideal for foreground position. Dark, rich green, long, stiff needles. Twice transplanted. Price: 15 to 18 inches, B&B, \$3.35 each, 2 for \$6.45; 18-24 inches, B&B, \$3.95 each, 2 for \$7.65, not prepaid.

Save Money on Windbreak Trees

We offer the hardiest recommended varieties for planting in the Northwest. Advise planting two to five or even six rows for real effectiveness. Plant 6 feet apart in rows 8 feet apart. Cultivate first two years if possible.

Earn up to \$42.00 Government Payments for Planting Trees!

Uncle Sam will now pay you up to \$30.00 for planting windbreak or woodlot trees on your farm. Payments made out of a special tree planting fund, through your County Conservation Office at rate of \$7.50 for planting 650 trees per acre of woodlot—OR only 300 trees in a windbreak—PLUS \$3.00 per acre for maintaining, out of regular AAA allowances. A wonderful opportunity! Order early—trees in big demand.

GREEN ASH							
Prices:	Size	25	50	100	200	500	1,000
Prepaid	6-12 in.	....	\$0.90	\$1.85	\$3.65	\$5.00	
Prepaid	12-18 in.	....	\$0.95	1.55	2.65	5.45	9.45
Not ppd.	18-24 in.	....	1.25	1.75	3.20	6.55	11.85
Not ppd.	2-3 ft.	\$1.00	1.45	2.25	3.95	7.95	14.85

CARAGANA							
Prepaid	6-12 in.	....	.90	1.49	2.65	4.95	8.00
Prepaid	12-18 in.	....	1.20	2.25	3.85	6.95	12.00
Not ppd.	18-24 in.	....	1.25	2.25	3.85	6.85	12.45

AMERICAN ELM AND SOFT MAPLE						
Prepaid	6-12 in.	....	.90	1.85	3.65	5.00
Prepaid	12-18 in.	....	.95	1.55	2.65	5.45
Not ppd.	18-24 in.	....	1.65	2.35	4.95	9.45

CHINESE ELM (SIBERIAN STRAIN)						
Prepaid	6-12 in.	....	.90	1.85	3.65	5.00
Prepaid	12-18 in.	....	.95	1.55	2.65	5.45

NOT PREPAID							
Standard	18-24 in.	....	1.15	1.75	3.20	6.55	11.85
Heavy	18-24 in.	....	.90	1.45	2.25	3.95	7.95
Standard	2-3 ft.	1.05	1.75	2.45	4.25	8.85	15.75

HEAVY							
Standard	2-3 ft.	1.15	1.95	3.35	5.35	10.65	18.90
Standard	3-4 ft.	1.85	2.95	5.45	8.65	....	....
Heavy	3-4 ft.	2.35	3.65	6.35	9.85	....	....
Heavy	4-5 ft.	2.95	4.75	7.65	....	....	....

RUSSIAN OLIVE							
Prepaid	6-12 in.	....	1.00	1.65	2.85	5.85	10.00
Prepaid	12-18 in.	....	1.45	2.45	4.35	8.35	14.00
Not ppd.	18-24 in.	....	1.95	3.45	6.35	12.35	21.00

NORWAY POPLAR							
Not ppd.	2-3 ft.	1.20	1.95	3.45	5.45	11.00	20.00
Not ppd.	3-4 ft.	1.35	2.25	3.85	6.85	13.75	25.00
Not ppd.	4-5 ft.	1.65	2.65	3.95	7.85	16.00	30.00

BLACK WALNUT AND BUTTERNUT							
Prepaid	6-12 in.	1.00	1.45	2.25	3.95	7.95	15.00
Prepaid	12-18 in.	1.35	2.25	3.85	6.85	13.75	25.00
Not ppd.	18-24 in.	1.65	2.95	4.65	8.85	18.65	35.00

RUSSIAN GOLDEN WILLOW							
Not ppd.	2-3 ft.	1.10	1.85	3.25	5.75	12.35	22.50
Not ppd.	3-4 ft.	1.45	2.35	4.35	8.45	17.35	32.50

BLACK HILLS PINE
(Bull Pine)
An Ideal Drought-Resistant Windbreak



Evergreen Windbreak Bargains!

Plant seedlings marked (S) in the beds for two years—then re-set them in the permanent windbreak. (R.P.T.) sizes may be set out in well-prepared windbreak rows. They are cheaper in the long run than seedlings, and will give quicker results. All are exceptionally hardy. (S)—Freshly dug seedlings; (R.P.T.)—Root pruned and transplanted.

	10	25	50	100
Black Hills or Bull Pine.....	{ 4-6 in. S.	\$ 1.10	\$ 1.95	\$ 3.50
	6-9 in. S.	1.35	2.55	4.85
Bull Pine.....	{ 9-12 in. R.P.T.	1.75	3.95	6.85
	12-18 in. R.P.T.	2.35	4.85	8.85
Austrian Pine, Scotch Pine	{ 18-24 in. R.P.T.	3.35	6.85	12.45
	24-30 in. R.P.T.	4.95	9.45	17.65
Black Hills Spruce	{ 3-6 in. R.P.T.	1.35	3.20	5.65
	6-9 in. R.P.T.	2.10	4.65	7.65
Colorado Blue Spruce	{ 3-6 in. S.	1.35	2.55	4.85
	6-8 in. R.P.T.	1.45	3.45	5.85
	8-10 in. R.P.T.	1.95	4.35	7.20
	10-12 in. R.P.T.	2.45	4.95	8.95

Set Evergreen Windbreaks 6 to 8 feet apart in the row and 12 to 15 feet apart between rows.

Page 35

French

LILACS

ALPHONSE LAVALLEE. Double. Opens an intense blue, changing to a beautiful shade of lavender as the florets develop. 2-yr. plants 45c, prepaid. 3-yr. plants 60c, not prepaid.

CHARLES JOLY. Double. Deep wine-red. The large trusses are held erect, well above the foliage. 2-yr. plants 45c, prepaid. 3-yr. plants 60c, not prepaid.

MADAME LEMOINE. Double. Pure white, without a tinge of cream. Panicles large, long, erect. 2-yr. plants 45c, prepaid. 3-yr. plants 60c, not prepaid.

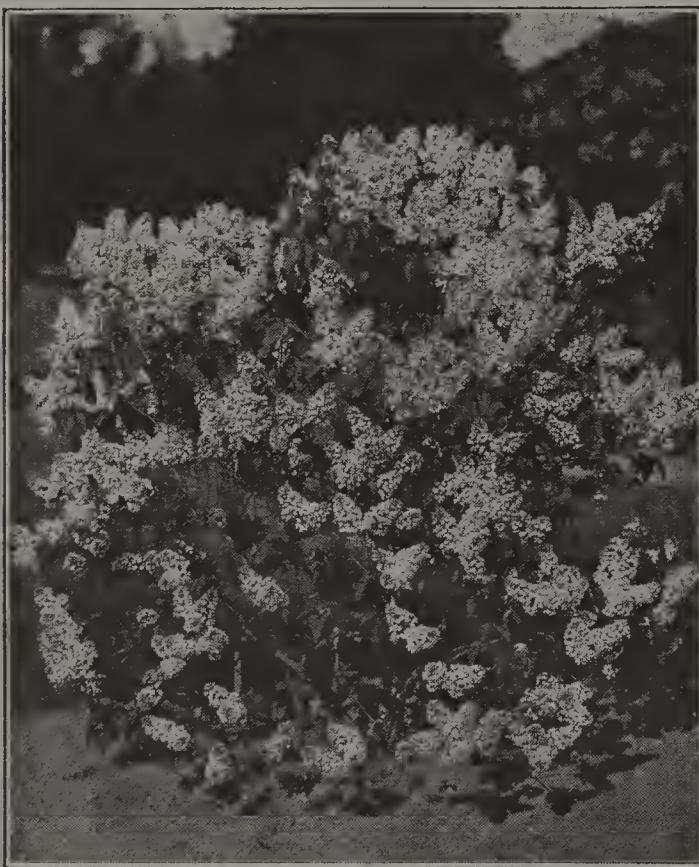
PRESIDENT GREVY. Double. Clear delicate light blue. Immense panicles, very symmetrical. 2-yr. plants 45c, prepaid. 3-yr. plants 60c, not prepaid.

See Color Illustration on Page 39.

Beautiful New Hybrid—Extra Hardy. Similar in habit and form to the Persian Lilac, with fine, slender branches but with more massive clusters of reddish-purple flowers. A fast grower, free flowering. Desirable as a specimen shrub, in landscape planting or along the lot boundary to screen out unattractive views. Grows 8-10 ft. high.

2-yr. plants 30c, prepaid; 3-yr. plants 45c, not prepaid.

CHINESE LILAC



French Lilacs bloom freely and last a lifetime.

These offers can also be had in 3 yr. size.

4 for \$1.95
3 for \$1.55

Prepaid

4 Beautiful
FRENCH LILACS
One Each Described Above
2 YEAR SIZE

\$1.45
PREPAID

3 Lilacs \$1.20
YOUR CHOICE
of Above 2 Yr. Size PREPAID

Gorgeous
PEONIES



Peonies in Bloom at Our Trial Gardens.

Favorite Garden Varieties

ALBERT CROUSSE. Delicate shell-pink. Late blooming; large and compact. Fragrant.

CHARLES MCKELLIP. A rich American Beauty red, of perfect form. Late midseason.

DELICATISSIMA. Lovely salmon-pink; light green carpels in center. Midseason.

FELIX CROUSSE. Deep, velvety rose-red. Medium to large; fragrant. Late midseason.

FESTIVA MAXIMA. A splendid early white variety; center petals flecked with crimson.

LA PERLE. Soft violet-pink; very fragrant. A fine late midseason cut flower variety.

LONGFELLOW. Bright crimson, distinct and fadeless. Comes into bloom early midseason.

MME. DE VERNEVILLE. A medium-early peony with a pleasing fragrance. Gnard petals sulphur-white; center rose-white with crimson touches.

MLLE. LEONIE CALOT. Delicate rose, with lilac-pink center and flecked with deeper pink. Midseason.

RICHARD CARVEL. An early crimson with extra-fine large blooms. Fragrant.

Your Selection Any Above
2 for \$1.00; 3 for \$1.35; 6 for \$2.40 ppd.

(You may select different varieties or all of one kind.)

SARAH BERNHARDT. This is the ideal cut flower peony. The color is a true apple-blossom pink with each petal silver tipped. It is a late midseason variety with a delicate fragrance. Each 75c, prepaid.

See Color Illustration on Front Inside Cover.

Peony Supports on
Page 25

Ask for Our Leaflet
on Peony Culture

CHOICE PEONY Collection

KARL ROSENFIELD. Red.

LADY A. DUFF. Blush-pink.

NYMPHEA. White.

TOURANGELLE. Rose-pink.

One of Each \$1.75 Ppd.

LONG SEASON PEONY Collection

COURONNE D'OR. Late white.

EDULIS SUPERBA. Early deep pink.

MARY BRAND. Midseason red.

RUBRA SUPERBA. Very late red.

One of Each \$1.50 Prepaid

Hardy Everblooming ROSES



PINK RADIANCE. Hybrid Tea. A brilliant carmine-pink with salmon-pink and yellow shadings at base of petals. Of vigorous heavy growth, producing its large, double flowers when many other varieties fail.

GENERAL JACQUEMINOT. Hybrid Perpetual. Scarlet-crimson buds, opening to clear red flowers of moderate size and excellent shape. The standard red for years. Extremely hardy.

GRUSS AN TEPLITZ. Hybrid Tea. Color, richest scarlet, shading to velvety crimson. Very fragrant. A free, strong grower and continuous bloomer. An ideal garden rose succeeding under the most ordinary conditions.

HARRISON'S YELLOW. The best hardy yellow-flowering bush rose. Completely covered with semi-double sparkling yellow blooms about the middle of May.



EARN FREE GIFTS
with Your Nursery Order.
Details—page 30.

FRAU KARL DRUSCHKE. Hybrid Perpetual. This is the ideal hardy white rose. The snow-white, long buds are shaded pink, and open to immense, perfectly double flowers, often 4 inches across. Pure in color, perfect in form, strong grower and remarkably free flowering.

RED RADIANCE. Hybrid Tea. Large, globular double blooms of a clear brilliant red. A vigorous grower, with heavy canes and healthy foliage. One of the most dependable roses as it always blooms regardless of weather conditions.

TALISMAN. Hybrid Tea. Brilliant red and gold buds opening to well-shaped blooms of scarlet-orange and rich yellow. The finest of all garden roses for cutting. Constantly in bloom. The plant is strong and vigorous with healthy disease-resistant foliage.



Talisman—a brilliant orange-yellow and coppery-red combination.

Rugosa Roses

AMELIA GRAVEREAUX. Double fragrant flowers of bright cerise-red. One of the finest Hybrid Rugosas.

SIR THOMAS LIPTON. Fragrant, double white blooms in clusters. Early and free flowering.

Hardy Rose Collection

5 Your choice of any five \$1.65
Roses listed above. ppd.

Climbing Roses

EXCELSA. The Improved "Crimson Rambler." Immense clusters of double crimson blooms. A beautiful, vigorous and dependable climber.

DOROTHY PERKINS. Soft shell-pink, flowering profusely in large clusters. Very fragrant and lasting.

FLOWER OF FAIRFIELD. Also known as the "Everblooming Crimson Rambler." Bears large clusters of beautiful crimson blooms.

GARDENIA. Early. Yellow. Of vigorous growth and splendid foliage. Bright yellow buds open to creamy white flowers, delightfully fragrant. Blooms better on old wood.

PAUL'S SCARLET CLIMBER. Most brilliant of all roses. Color, a vivid scarlet; flowers semi-double, produced in clusters on much-branched canes.

Prices of Climbing Roses

Two for 68c; Four for \$1.25.

All Prepaid.

Amelia
Gravereaux
—a bright
cerise-red.
Rugosa.

PRICES OF ABOVE ROSES
Strong 2-yr. field grown plants, Two for 78c;
Four for \$1.45; Ten for \$3.25.
All Prepaid.

Ornamental Vines

BITTERSWEET (*Celestrus scandens*). Rapid-growing, native climber, with glossy foliage; bears orange-crimson berries in fall. 2-yr. vines, 35c each; 3 vines for 95c, prepaid.

CLEMATIS JACKMANI. The popular large-flowering clematis with gorgeous flowers of velvety purple-violet. Produces its flowers on new wood growth and must be cut back severely each spring. Requires winter protection. 2-yr. vines, 75c each; 2 vines for \$1.25, prepaid.

CLEMATIS PANICULATA. Excellent flowering vine for covering porches and arbors. In late summer it forms a dense sheet of fragrant, white starry flowers. 2-yr. vines, 35c each; 2 vines for 65c, prepaid.

MATRIMONY VINE (*Lycium chinensis*). A good trailer to cover steep slopes and terraces. Large red berries follow the bright purple flowers. 2-yr. vines, 25c each; 2 vines for 40c, prepaid.

SCARLET TRUMPET HONEYSUCKLE. Handsome twining vine which can be used to cover fences, embankments or lattices. Produces a steady succession of bright scarlet, tubular flowers. 2-yr. vines, 25c each; 2 vines for 45c; 4 vines for 85c, prepaid.

GOLDFLAME HONEYSUCKLE. Immense, showy clusters of trumpet-shaped buds and fragrant blooms. Outside of petals brilliant flame-pink, inside, creamy golden-yellow. Dark glossy foliage adds to its charm. Plants can be sheared to form a hedge, or allowed to grow naturally as a vine or shrub. Blooms freely from early spring to heavy frost. 2-yr. plants, 78c each; 2 plants for \$1.13, prepaid.

See Color Illustration, page 39.

Rose Arbor Collection

5 Climbing Roses—your
choice of any of the varieties
listed above. \$1.35
ppd.



ENGELMAN'S IVY
(*Ampelopsis Engelmanni*)

Produces dense, clean foliage which turns to intense scarlet in fall. Clings without support to stone, brick or stucco. Absolutely hardy; withstands heat and drought. 2-yr. vines, 25c each; 2 vines for 40c; 4 vines for 70c, prepaid.

On Nursery Orders Amounting to Less than \$1.00, add 15c for Packing.

Page 37

The Best Hardy Flowering Shrubs

Plant dwarf shrubs (marked D.), about 1-2 ft. apart. Medium shrubs (marked M.) about 2-3 ft. apart, and large shrubs (marked L.) about 3-4 ft. apart. All shrubs are guaranteed to reach destination in best condition, and are bound to grow.



FREE GIFTS!
Details Page 30



Hydrangea Arborescens.
30c postpaid.

BEAUTY BUSH. Graceful arching branches covered with lovely pink flowers. Spring flowering. Foliage also very attractive.

CARAGANA (Siberian Pea Tree). L. Of graceful upright habit with fine light green leaves; small bright yellow blossoms in spring.

Our Low Shrub Prices!

Your Choice

HARDY
2-Yr. Plants **30c** EACH
27c Each in Lots of 12 or More—

Your Choice

HEAVY
3-Yr. Plants **45c** EACH
Not Prepaid
39c Each in Lots of 12 or More—

HYDRANGEA, LARGE FLOWERING (*Paniculata Grandiflora*). M. Produces enormous panicles of pure white flowers, which change to pink and bronze in fall; often cut for winter house decoration.

HYDRANGEA SNOWHILL (*Arborescens*). M. Large white snowball-like flowers from July to frost. Likes partial shade.

JAPANESE BUSH CHERRY. L. A compact-growing shrub with fine clean foliage. Small pink flowers in spring are followed by shiny wine-red fruit.

SCARLET ELDERBERRY. L. Of spreading growth with large flower clusters followed by showy red berries in July.

SNOWBERRY, WHITE. D. Slender graceful shrub with large waxy white berries in September that remain far into the winter.

SPIREA ARGUTA (Snow Garland). M. Graceful and attractive all season, with long light green leaves. A profusion of dainty white blossoms in May.

SPIREA BILLARDI. M. Plume-like flowers of delicate rose-pink at end of branches in July and August.

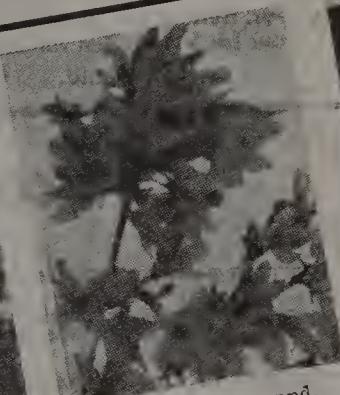
SPIREA. Van Houttei (Bridal Wreath), and Anthony Waterer, below.

TAMARIX (Lace Tree). L. Striking and unusual with feathery foliage and open clusters of small pink flowers at end of branches in June and July.

WEIGELA (*Floribunda*). M. Of spreading habit, with slender branches well covered with crimson trumpet-shaped flowers in July.



Weigela, 30c ppd.



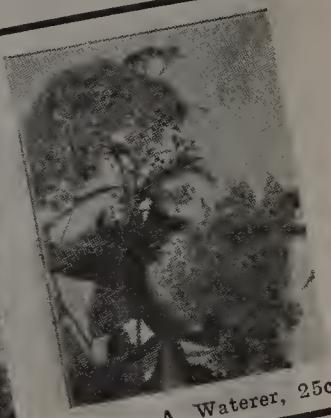
Bridal Wreath, 25c.



Forsythia, 30c ppd.



Hydrangea Snowhill, 30c.



Spirea A. Waterer, 25c

COTONEASTER. M. A neat clean shrub with small rounded leaves, dark green and glossy. Inconspicuous pink flowers followed by black fruit.

FORSYTHIA (Golden Bell). L. A graceful ornamental shrub with brilliant golden yellow bell-shaped flowers in early spring.

GOLDEN ELDER. L. A handsome, wide-spreading shrub with bright yellow leaves all season. The color is more intense when planted in a sunny position.

Highbush Cranberry. L. Handsome shrub with dense brilliant green foliage. White flowers in spring, followed by big clusters of edible red berries.

HONEYSUCKLE, RED BUSH (*Lonicera Tartarica Rosea*). L. Delicately shaped rose-pink flowers followed by bright red berries. Thrive in sun or shade.

LILACS—French and Chinese: pages 36, 39.

LILAC, VILLOSA. Beautiful pink flowering summer lilac; very hardy and does not spread from the root.

MAYFLOWER BUSH. Brought by Professor Hansen from The Imperial Gardens of Russia. Large bush literally covered with white bloom. Flowers even before Bridal Wreath.

MOCK ORANGE (*Philadelphus Coronarius*). L. A splendid, tall ornamental shrub. Clusters of large white flowers, delightfully fragrant.

PURPLE LEAF CHERRY (*Cistena*). M. Its purple foliage produces a fine color effect and makes a striking contrast in shrub plantings.

RED LEAF BARBERRY. D. Rich bronzed leaves that hold their color all summer. A bright contrast to other shrubs. Plant in full sunlight.

RED-TWIGGED DOGWOOD. L. Bright coral-red branches make this sturdy shrub attractive in all seasons.

Special Priced VARIETIES

SPIREA VAN HOUTTEI (Bridal Wreath). M. Graceful, arching branches completely covered with tiny snow-white flowers in late May. 2-yr. size, 25c, prepaid; 3-yr. size, 35c, not prepaid.

SPIREA ANTHONY WATERER. D. A low bush with erect stems 3-4 ft. high. Rosy-crimson flowers in flat-top clusters all summer. 2-yr. plants, 25c, prepaid; 3-yr. plants 35c, not prepaid.

JAPANESE BARBERRY (*Thunbergi*). D. Its low spreading growth forms a dense bush. Scarlet and bronze in fall, studded with brilliant red berries. 2-yr. size, 18c, prepaid; 3-yr. size, 30c, not prepaid.

ROSE TREE OF CHINA (*Prunus Triloba*). M. A great attraction in early spring when every branch is completely covered with clusters of large double pink, rose-like flowers. 2-yr. plants, 45c, prepaid; 3-yr. plants, 65c, not prepaid.



These Shrubs Fully Described On Opposite Page (Page 38)

Home Landscape COLLECTION

- (1) Red Tartarian Honey-suckle
- (2) Spirea Billardi
- (3) Spirea Snow Garland
- (5) Forsythia (Golden Bell)
- (6) Spirea Anthony Waterer
- (8) Spirea Van Houttei
- (9) Hydrangea P. G.

7 Beautiful Shrubs

1 Each of Above, Medium Size, \$1.85
ppd. for Large size, \$2.85.



Double Russian VIOLET

Produces an abundance of double sweet-scented flowers. Perfectly hardy anywhere.

Each 50c, prepaid, or
3 PLANTS \$1.00
Prepaid

HOPA CRAB

Loaded with rose-pink blossoms. The fire-red fruit is fine for jelly.

3 to 4 ft. Trees, ppd. **69c Each**



Golden Day Lily Collection

Citrina. Lemon-yellow.
Dr. Regel. Rich orange-yellow.
Gold Dust. Golden orange.
Kwanso. Large double flowered golden bronze. (Illustrated.)
Sovereign. Chrome-yellow.
5 PLANTS 95c
ppd.



New Lavender Cup Flower

A real sensation—continuous bloomer, dwarf, half-hardy perennial. Blooms spring until frost. Grows 6 inches tall with a spread of 10 inches. Lovely lavender-blue, yellow centered flowers for borders, pots or window boxes.

6 plants, \$1.20, postpaid, or: **3 for 65c**

The Plant of a Bushel of Blooms

Hardy and easy to grow. Forms bushes 18 to 24 inches across with hundreds of pompon-shaped flowers. A blaze of color for autumn gardens. We offer pink, and golden yellow colors. Six plants for \$1.50, prepaid, or

3 for 85c
ppd.

(Page 39)



New Gold- flame

Climbing Honeysuckle

Immense showy clusters of fragrant, scarlet and gold blooms, spring to frost. Grow it as vine, shrub or hedge. 2-yr. plants, 73c, postpaid, or **2 for \$1.13**



French Lilacs

New, large, double Lilacs of exceptional beauty.

Charles Joly. Wine-red.

Alphonse Lavallee. Deep lavender.

Pres. Grey. Delicate blue.

Madame Lemoine. White.

Your Choice,
Postpaid:

**4 2-year Plants
\$1.45**



Hybrid Delphiniums

Large spikes of double bicolor blooms.

3 Plants Prepaid 65c







Pansies
1628 Roggi Swiss
Giant Mixed.
Pkt. 25c (Page 54).

Lovely New Morning Glories

1526 Early Flowering
Heavenly Blue. (Page 54)

Rainbow GLAD Collection

Three each of the eight beautiful
varieties pictured here:

- 1 Romance
- 2 Minuet
- 3 Orange Queen
- 4 Mrs. Sisson
- 5 Chas. Dickens
- 6 Golden Dream
- 7 Giant Nymph
- 8 Dr. F. E. Bennett

24 BULBS
\$1.00
ppd.

AGERATUM

1026 Midget Blue

A 1940 All-America Winner.
Most compact dwarf Ageratum to date. Pkt. 25c
(Page 48)

6 World's Fair Annuals

One packet each as shown here: Pansies, Zinnias, two Morning Glories, Ageratum, Balsam.

A \$1.15 Value,
ppd. for 85¢

ZINNIA

1963 California Giant Rose Queen. Striking deep rose.
Large Pkt. 15c
1965 California Giants Mixed.
Large Pkt. 15c
(Page 59)

1206 BALSAM, Dwarf Double Torch

Scarcely 10 inches high, plants are completely covered with vivid vermilion roselike blooms from early summer to frost. (Page 48)



Prize-Winning GLADIOLI for Your Garden

Blue Ribbon COLLECTION

10 BULBS 95c
One each described below



ALLEGRO. Pure, clear blue, with a white-tipped blue spearhead in throat. Tall strong spike. Each 12c; doz. \$1.15.

BEACON. Vivid vermilion-scarlet, with distinct creamy throat blotches. Each 12c, doz. \$1.15.

BIT O'HEAVEN. The best true orange gladiolus introduced to date. Very tall and straight. Each 15c, doz. \$1.50.

CAMELLIA. Blush-pink over cream, with a touch of scarlet in throat. Florets are exquisitely rounded and recurved. Each 20c, doz. \$2.00.

DR. C. HOEG. Rich maroon, glossy and velvety. Giant spike. Each 12c, doz. \$1.15.

GLOAMING. Bright purple. Makes a graceful spike, especially fine for cutting and basket work. Each 15c, doz. \$1.50.

IRAK. Clear silvery grey, with a beautiful sheen. One of the most unusual colors ever developed in Glads. Each 15c, doz. \$1.50.

LAVINIA. Rich, medium-deep pink of lustrous heavy substance, with orchid-like throat markings. Each 12c, doz. \$1.15.

RUFFLED BEAUTY. A light yellow, finely ruffled. If you are looking for something different in a yellow, try Ruffled Beauty. Each 10c, doz. \$1.00.

VAGABOND PRINCE. A blend of red over brown, giving the flower a rich russet effect seen in autumn leaves. Throat a beautiful glowing red. Each 12c, doz. \$1.15.

For The
Cutting Garden

50 BULBS \$1.25
ppd.

Mixed Colors—Our Selection.



Mixed pastel shades of gladioli combined with hardy perennial asters. (See front inside cover for Hardy Asters.)



Mary Elizabeth, a ruffled white with yellow throat.

12 Aristocrats

One bulb of each described below 55c
(Value 79c)

2 Collections for \$1.00

BLEEDING HEART. Blush white with crimson blotch. Doz. 65c.

BRIGHTSIDE. Rich yellow tipped bittersweet orange. Ruffled petals with a lustrous sheen. Doz. 75c.

COMMANDER KOEHL. Giant blood-red blooms of heavy substance. Doz. 65c.

DUNA. Delicate flesh-pink, warm-toned and clear in color. Blooms early and is one of the finest Glads for cutting. Doz. 65c.

EARLY MELODY. Lovely orchid-lavender, with a faint sanding of rose in throat. An excellent cut flower. Doz. 75c.

GOLDEN POPPY. A rich, lustrous deep-toned yellow. Doz. 75c.

MARY ELIZABETH. Beautiful ruffled white, with light yellow throat. Opens 6-8 florets at one time. Doz. 75c.

PARADISE. Ruffled apricot. Tall, straight spike, with 6-8 large blooms open at one time. Doz. 75c.

PELEGRINA. Deep blue with a velvety sheen. Doz. 65c.

PHYLLIS McQUISTON. A gorgeous pure pink without markings. Tall, straight vigorous plant. Doz. 75c.

RECOVERY. Late-blooming salmon scarlet. A consistent producer of exhibition spikes. Doz. 75c.

SONATINE. Pure pink, with faint throat markings. Tall grower with large well-placed florets. Doz. 65c.

Harmony GLAD COLLECTION

AVE MARIA. An exquisite shade of clear light blue. Doz. 60c.

BOB WHITE. Waxy, glossy snow-white of good substance, with a small rose-red spearhead deep in throat. Doz. 75c.

DREAM O'BEAUTY. Large rose-red with slightly deeper throat. Doz. 65c.

KING ARTHUR. Large ruffled lavender with heavy lustrous petals. Doz. 70c.

MOTHER MACHREE. Soft lavender-grey flushed salmon pink. Doz. 60c.

PICARDY. Ruffled shrimp-pink. Huge spike with immense florets of waxy substance. Doz. 50c.

SWEETHEART. Frilled pink with white throat. An exquisitely fresh dainty Glad. Doz. 65c.

WASAGA. Pure apricot, delightfully frilled. Doz. 60c.

16 Two each above
Bulbs 70c
ppd.

120 Pages—
Many Illustrations
Send for Your Copy
Today!

Free—with every order for one Harmony Collection we will include a bulb of the beautiful new Glad "Vagabond Prince" described on this page.



AVALON, a rich bright yellow Dahlia.

Free! If You Order Five Exhibition Dahlias

we will include free of charge one Mrs. Ide Ver Warner, a beautiful mauve-pink Dahlia.

Miniature Dahlias

FOR DAINTY TABLE DECORATIONS

The bushes are compact, free branching and exceedingly prolific bloomers. Only 2-3 feet in height, they make ideal garden borders, and furnish an abundance of flowers for cutting from early August to frost.

ANEMONE Beautiful white single-flowered, with yellow pollen center. An outstanding keeper when cut. Looks exactly like an Anemone. Each 45c.

BABY BEAUTY. A miniature Jersey's Beauty, with the same lovely rose-pink color and good growing habits. Each 35c.

BABY ROYAL. Salmon-pink, shaded apricot. Exceptionally free flowering. Each 30c.

BISHOP OF LLANDOFF. Brilliant rich red blooms; lacy, reddish-bronze foliage. A wonderful landscape and cutting variety. Each 50c.

ELIZABETH PAPE. Soft yellow, overlaid with salmon-pink. A new importation and one of the best miniatures. Each 30c.

PADDY. Color, flesh ground, heavily suffused deep rose-pink. Each 50c.

PEGGY WOOD. A novelty which attracted much attention at the New York show. An Indian-red and white bi-color, perfectly proportioned. Each 40c.

PETIE CONWAY. Bluish lavender. The nearest to blue in the miniatures. Each 35c.

SKIPPY. Carmine, tipped white. Bushes covered with bloom until frost. Each 40c.

TEDDY JOHNSON. White, suffused and tipped Tyrian rose. Each 35c.

MIXED MINIATURE DAHLIAS. 3 for \$1.00. See Color Illustration on Front Inside Cover.

Dahlias of Quality

Key to Abbreviations: F. D., Formal Decorative; I. D., Informal Decorative; C., Cactus.

ANDREAS HOFER. (C.) An early rose-pink with cream base. Each 50c.

JERSEY'S MAMMOTH. (I. D.) Massive blooms of coppery-bronze. Each 45c.

MARSHALL'S BEAUTY. (F. D.) The best orchid-lavender dahlia. Each 50c.

PRINCE OF PERSIA. (I. D.) Glowing cardinal red. Each 50c.

RALPH BLODGETT. (C.) Bright, rich orange, tipped white. Each 35c.

AMBASSADOR. (C.) Buff, shaded orange-salmon. Excellent stems, recommended for cutting. Each 50c.

AVALON. (F. D.) Rich, bright yellow. Erect stems. Ideal for cutting and a wonderful keeper. Each 35c.

JERSEY'S BEACON. (F. D.) Chinese scarlet, with a paler reverse, giving a two-tone effect. Each 30c.

KATHLEEN NORRIS. (I. D.) True rose-pink, deepening to mallow pink, with broad overlapping petals. Each 50c.

5 Exhibition
Dahlias \$1.75
One each of above
Value \$2.30 ppd.
See Free Offer at left.

Special—One each of
above for \$1.10 ppd.

Cut-Flower Dahlias

JANE COWL. (I. D.) Golden bronze, shaded apricot.

RADIO. (I. D.) Crimson-red, shaded brilliant gold.

JERSEY'S BEAUTY. (F. D.) A true rose-pink of perfect form.

KEMP'S VIOLET WONDER. (I. D.) Rich violet purple.

WILLIAM H. HOGAN. (I. D.) Pure white, edged deep red.

KEMP'S WHITE WONDER. (I. D.) Pure white, with curled petals.

SANHICAN'S PEACH. (I. D.) Copper-bronze, blended peach.

MARSHALL'S MASTERPIECE. (F. D.) Deep, velvety maroon.

Any Cut-Flower Dahlias, 3 for \$1.00, prepaid.



The Best Cannas

Used extensively for mass planting in beds and for color effect in hardy borders. Roots started indoors in April may be set out in June when danger of frost is past. We offer dormant roots of first quality.

KING HUMBERT. 4 ft. Large trusses of orange-scarlet flowers. Foliage is bronze, very broad and handsome. A "Gold Medal" canna.

THE PRESIDENT. 4 1/2 ft. Rich glowing scarlet flowers, 7 inches across, on strong, erect stalks. The foliage is green.

HUNGARIA. 3 1/2 ft. The best pink canna. Leaves bluish-green, never burn. Trusses are compact and of enormous size.

YELLOW KING HUMBERT. 4 ft. Flowers a deep rich yellow, softly spotted and blotched with bright red. Foliage very dark green.

APRICOT. 4 ft. Color, buff-yellow overspread with salmon-pink, producing a mass effect of rich apricot.

MRS. ALFRED F. CONRAD. 4 ft. Unsurpassed for planting either singly or in large beds. Foliage is green; flowers exquisite pink.

GOLDEN GATE. 4 ft. Color, pure golden yellow. Very rich and effective. Flowers of good size held well above the foliage.

Price, any of the above dormant roots, 15c each, 6 for 50c, 12 for 90c, 25 for \$1.70, prepaid.

A round bed seven feet in diameter requires 19 cannas planted 18 inches apart each way; one in center; six in first row; twelve in outside row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row. Thirteen feet—61 plants, one for center, six for first row, twelve for second row, eighteen for third row, twenty-four for fourth row. Center of bed should be four to six inches higher than the level of the lawn.

A border planting of Elephant's Ear, with their broad ornamental leaves is most effective. (See page 45.)

Hardy Garden Lilies

The hardy border is an ideal location for lilies, as they need sunshine on their tops and shade about their roots. The foliage of surrounding low shrubbery and plants provides shade and shows the flowers to best advantage.

CANDLESTICK LILY (*Umbellatum*)
Height 2-3 ft. A showy, sun-loving variety that is easily grown. The large, orange-red flowers are held erect like widespread chalices, and are borne in great profusion in June. Each 20c, 3 for 50c, prepaid.

CONCOLOR LILY
Height 18 in. One of the best dwarf lilies, with erect star-shaped flowers of glossy bright scarlet. Often produce three or more stems from one bulb. Blooms in July. Each 20c, 3 for 50c, prepaid.

CORAL LILY (*Tenuifolium*)
Height 2 ft. A charming little lily for the border or rock garden. The brilliant coral-red flowers are borne in clusters of five to fifteen on slender stems. Foliage is finely cut and fern-like. Blooms in July. Each 15c, 3 for 35c, prepaid.

DOUBLE TIGER LILY (*Tigrinum Flore Pleno*)

Height 5 ft. Handsome, showy lilies of easy culture, producing an abundance of orange-scarlet flowers in August. Very hardy and vigorous. Each 20c, 3 for 50c, prepaid.

IMPROVED RUBRUM LILY
Height 4 ft. White, flushed rose-pink, and heavily spotted with carmine, the large, frilly flowers face downward and roll back their broad petals so that stamens and pistil curl way out. Blooms in late August. Each 30c, 3 for 80c, prepaid.

RED ELEGANS LILY
Height 15-18 inches. Large upright, cup-shaped flowers of bright crimson-orange with small black spots. Blooms in June. Each 15c, 3 for 35c, prepaid.

REGAL LILY (Illustrated Front Inside Cover)
Height 3-5 ft. The large flowers are ivory-white, shaded rose, with centers flushed yellow. The sturdy stems bear clusters of 2-8 fragrant flowers in June. Blooming Size Bulbs, each 15c, 3 for 35c, prepaid. Large Size Bulbs, each 20c, 3 for 50c, prepaid.

TURK'S CAP LILY (*Superbum*)
Height 3-8 ft. The most magnificent and showy of the native North American species. This splendid lily produces from 1-40 flowers of brilliant orange-scarlet, shaded yellow, and spotted brown. Blooms in late July. Each 20c, 3 for 50c, prepaid.



Beautiful Gold-Banded Lily of Japan

(*Auratum*) Illustrated above
Height 4-6 ft. One of the largest and handsomest of lilies. The fragrant, trumpet-shaped flowers are ivory-white, with broad, yellow bands down the center of each petal, and richly spotted with crimson. Blooms in July and August. Each 30c, 3 for 80c, prepaid.

For Hardy Day Lilies, see page 39.

6 Hardy Lilies for only

1 Candlestick
1 Concolor
1 Coral Lily

1 Double Tiger
1 Red Elegans
1 Turk's Cap Lily

79c

ppd.

(Regular Price \$1.10)

Miscellaneous Spring BULBS

GLOXINIAS

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display, continuing in bloom for several months. Plant the bulbs in small individual pots. Complete cultural directions will be sent with every order. Bulbs ready for shipment after March 1st. Colors, Blood Red, Scarlet, Violet and Dark Blue. Each 35c, 3 for \$1.00, prepaid.

TUBEROSE

(DWARF DOUBLE PEARL)

Height 18 in. Dwarf, stocky plants, with spikes of pure white wax-like double flowers with a delicious fragrance. Bulbs planted in a sunny position in the garden in May, bloom in fall. If early flowers are wanted, bulbs may be started in pots in the house, and transplanted to the open ground in May. To preserve tubers over winter, they must be kept in a warm room, or the flower stem will rot, and the tubers never bloom. Each 8c, dozen 75c, prepaid.



ELEPHANT'S EAR

(*CALADIUM ESCULENTUM*)

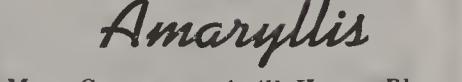
One of the most effective foliage plants for beds or borders. Of gorgeous tropical appearance with rich green heart or shield-shaped leaves, often 4 ft. long and 2 1/2 ft. wide. Can be planted with good effect as a border for Cannas. First Size Bulbs 3 for 50c, 6 for 90c, prepaid.



CINNAMON VINE

(*DIOSCOREA BATATAS*)

A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots each 15c, 3 for 40c, prepaid.



MADEIRA VINE

(*CLIMBING MIGNONETTE*)

Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs each 10c, 3 for 25c, dozen 90c, prepaid.

**Giant Hybrid
Amaryllis**
Most Gorgeous of All House Plants
Immense lily-like flowers of perfect form, ranging in color from pure white ground with varied markings of rose, red and crimson, to the richest self colors of scarlet and crimson. Planting directions with every order.
Mixed colors only, each 40c, prepaid.

3 for \$1.00



The Large
Rich Green Leaves
of ELEPHANT'S EAR
Are Beautifully Veined

Eazy Wear

GARDEN GLOVES



All-leather—dirt-proof and soft as kid—extra pliable. Specify for men or women. Small, medium or large. Price per pair

75c

If Interested in Bulbs for Fall Planting, such as Tulips, Hyacinths, Narcissi, etc., send for our Special Bulb Folder—ready September 15th.

From Our Perennial Gardens

Aquilegia-Columbine

DOBBIE'S IMPERIAL HYBRIDS. 2 ft. A new strain with extra-large long-spurred flowers, unequalled for their range of colors and sturdiness. 3 for 60c, postpaid.

SIBERIAN. Exceptionally vigorous and hardy, this strain produces large flowers year after year. Color, rosy amethyst to deep violet. 3 for 60c, postpaid.

Hardy Asters, (3-4 ft.)

See Color Illustration on Front Inside Cover

AMETHYST. Purple-blue. Fully double.
BLUE GEM. Double flowers of rich blue.
JOAN VAUGHAN. Deep blue; semi-double.
RED ROVER. Bright rose-red; yellow center.
SKYLANDS QUEEN. Lavender-blue.
SUNSET. A glorious sunset pink.
Price, any of the above, 3 for 65c, prepaid.

Dwarf Asters

For Edging or Rock Gardens.
RONALD. Rose. VICTOR. Lavender-blue.
CONSTANCE. Shell-pink.
Price, 30c each; 3 for 75c, prepaid.

Campanula-Bellflower

ALLIARIAEFOLIA. 2 ft. Creamy white flowers. 3 for 60c, postpaid.

PERSICIFOLIA. New Blue Spire. Large double blue flowers on 2 ft. stems. Each 35c, 3 for \$1.00, prepaid.

PERSICIFOLIA ALBA. New White Peach Bell. 2 ft. Large, handsome white bell-shaped flowers. Each 35c, 3 for \$1.00, prepaid.

PERSICIFOLIA COERULEA. Blue Peach Bell. 2 ft. Wide-open bells in shades of blue and lavender. 3 for 75c, prepaid.

TRACHELIUM. Coventry Bells. 2 ft. Drooping flowers of light purple. 3 for 60c, prepaid.

TURBINATA. Improved Carpathian Harebell. 6 in. One of the prettiest blue-flowering plants for edging or rock gardens. 3 for 60c, prepaid.

New Daisies

DOUBLE SHASTA DAISY, White Swan. 2 ft. Twenty to thirty flowers in bloom by Memorial Day. Pure white and fully double. 3 for 75c, postpaid.

SHASTA DAISY, Supreme. 2 1/2 ft. Glistening white flowers, 4-5 inches across, on strong, straight stems. 3 for 75c, postpaid.

ULIGINOSUM, Giant Fall Daisy. 4-5 ft. An excellent background plant. Large white flowers in August and September. 3 for 60c, postpaid.

Day Lilies, See Page 39

Orders from this Page must Total to 60c
If less, add 15c for Packing



Veronica has long spikes of violet-blue flowers on stiff stems—excellent for cutting.

Delphiniums - Larkspur

Shown in Color on Page 39

GOLD MEDAL HYBRIDS. 4-5 ft. A beautiful strain, with colors ranging from pale lavender to indigo-blue; many double flowered. 3 for 60c, postpaid.

DREAMS OF BEAUTY. 5 ft. A disease resistant strain from the Pacific Coast. The flowers are single, semi-double and double and the colors run from sky blue to dark blue, many with a pinkish frill. 3 for 75c, postpaid.

BODGERI. 2 ft. A new dwarf double-flowering pink; blooms 2 weeks earlier than any other variety. Each 35c, 3 for \$1.00, prepaid.

BRISTOL FAIRY. 3 ft. Early double-flowering pure white. Each 35c, 3 for \$1.00, prepaid.

Gypsophila

(Baby's Breath)

ACHILLEA, The Pearl. 2 ft. Clusters of snow-white double flowers. Fine for cutting. 3 for 60c, postpaid.

Pentstemon

PUBESCENTS. 2 ft. Excellent for hot dry places. Rosy purple flowers. 3 for 60c, postpaid.

OVATUS. 3 ft. A strong growing variety from the Rocky Mountains. Rich purplish blue flowers and glossy dark green leaves. 3 for 65c, postpaid.

GRANDIFLORUS. 3 ft. Beautiful large flowers of a soft-lavender-blue. Handsome silvery leaves. 3 for 60c, postpaid.

Veronica-Speedwell

LONGIFOLIA. 2 ft. Blooms July to September. Spikes completely studded with violet-blue flowers. Excellent for cutting. 3 for 60c, postpaid.

ROYAL BLUE. 1 ft. Handsome spikes of rich gentian-blue flowers in June and July. 3 for 60c, postpaid.

Dainty New Violas

JERSEY GEM (Tufted Pansy). Short, bushy growth, blooming throughout the summer; flowers of rich pure violet, on long stems. 3 for 60c, prepaid.

ROSINA (Sweet Violet). Produces an abundance of fragrant, rose-pink flowers in spring and again in fall. 3 for 65c, prepaid.

DOUBLE RUSSIAN VIOLET. Page 39.

Hardy Phlox

See Color Illustration on Front Inside Cover

CHAMPS ELYSEES. Reddish purple.

COLONIAL. Extra-fine blue-lavender.

ECLARIEUR. Large purplish-crimson.

FEUERBRAND. Glowing scarlet.

HAUPTMANN KOEHL. Dark blood-red.

MRS. HARDING. Rose-pink, shaded salmon.

MRS. JENKINS. Late-blooming pure white.

PRIME MINISTER. White, crimson center.

RHEINLANDER. Bright salmon-pink.

R. P. STRUTHERS. A choice soft red.

THOR. Rich salmon with a scarlet eye.

Price, any of the above, 3 for 60, prepaid.

Creeping Phlox

ALBA. Pure white.

APPLE BLOSSOM. Bright pink.

ATROPURPUREA. Deep wine-red.

BLUE HILL. Showy blue flowers.

BRIGHTNESS. Rosy lavender-pink.

MAESCHNEE (May Snow). New white.

MOERHEIMI. Fine carmine-pink.

ROCHESTER. Brilliant deep rose.

ROSEA. Beautiful rose-pink.

Price, any of the above, 3 for 75c, prepaid.

Novelties You Will Like

ACHILLEA, The Pearl. 2 ft. Clusters of snow-white double flowers. Fine for cutting. 3 for 60c, postpaid.

BLEEDING HEART, Eximia. A dwarf-growing sort, with beautiful, fern-like foliage and showy racemes of pink flowers. Each 40c, 3 for \$1.15, postpaid.

DIANTHUS DELTOIDES, Maiden Pink. A beautiful little prostrate plant, which bears a profusion of small, crimson flowers in June and July. 3 for 65c, postpaid.

DOUBLE BUTTERCUP, Ranunculus. 1 1/2 ft. Well-known double buttercup, effective either as a cutflower or grouped in the hardy border. 3 for 60c, postpaid.

FUNKIA, Lancifolia. 18 in. Excellent border plants for semi-shade. Attractive foliage and dainty lavender lily-like flowers in July and August. 3 for 60c, postpaid.

RUDBECKIA PURPUREA, Giant Purple Coneflower. 3 ft. Rosy purple flowers with large brown cone-shaped centers. Blooms July to September. 3 for 65c, postpaid.

SCABIOSA, New House Hybrids. Large graceful flowers in various shades of lavender. Blooms from June to frost. Ideal for cutting. 3 for 75c, postpaid.

SIBERIAN IRIS. 3 ft. Narrow grass-like foliage; rich violet-blue flowers on long graceful stems. Good for cutting and garden display. 3 for 75c, postpaid.

Surprise

Collection!

15 HARDY PLANTS
Postpaid—

All Different \$1.50
Each one labeled

6 Beautiful Iris

One each of rich blue, golden yellow, bi-color, wine-red, soft lavender and royal purple.

\$1.10
ppd.

You too can have flowers to enjoy all summer from a border of perennial plants.

"Twist-Ems" the Ideal
Plant-Tie for Perennials.
See Page 25

Our Greenhouse Department

Orders from This Page Must Total 60c or More,—If Less Add 15c for Packing

HOUSE PLANTS Everyone admires!

Popular Favorites

AFRICAN VIOLET..... Each prepaid, 75c (Saint Paulia). Beautiful little plants with velvety deep green foliage and flowers that resemble large single violets. Bloom continually.

PRIMROSE..... Each prepaid, 50c (Obconica). Most popular and dependable flowering plant. Comes in shades of pink and red.

SNAKE PLANT..... Each prepaid, 30c (Sansevieria). Decorative foliage plant which withstands downright neglect and hardship. Nothing but frost and continuous drenching with water seems to hurt it. 30c each or 3 for 80c, prepaid.

FRENCH HYDRANGEA..... \$1.00 Large clusters of showy red, pink, or blue flowers. \$1.00 each postpaid. Larger plants, not prepaid, by express \$1.50.

NEW AZALEA..... Prepaid for 45c These new Japanese varieties are small sized plants, well branched, which bloom in 6 to 8 months. Offered in shades of deep pink, red and white.

These Greenhouse Plants are mailed when weather permits after April 1st. Prepaid prices are postpaid to 4th zone only (600 miles.)



New Merion Beauty Ivy.

The Best in Vines

MERION BEAUTY. A new English ivy with small attractively shaped leaves of a beautiful deep green. Extra heavy branching, vigorous grower, ideal for house culture.

PHILODENDRON. Most popular indoor vine due to freedom from diseases and pests. The beautiful, heart shaped, green leaves remain clean and glossy.

GRAPE IVY. A fast grower, easy to care for. Has delicate dark green foliage.

35c each, any 3 for 95c ppd.

New Begonias

Dwarf growing plants with bright waxy leaves and dainty flowers.

INDIAN MAID. Red flowers, bronze leaves.

CHRISTMAS RED. Red flowers with green leaves.

CHRISTMAS PINK. Deep rose-pink flowers, green leaves.

SCANDINAVIA. Cerise bloom, green leaves.

BEGONIA, Rex. With outstanding, large, brilliant foliage. Always showy, easy to grow.

35c each, 3 for 95c, prepaid.

NOVELTY HOUSE PLANTS

See page 79

CHRYSANTHEMUMS!
Earlimumpg. 79. Blaze'OMum pg. 39

VEGETABLE PLANTS - pg. 27

New Double Petunias

While the Single Petunias are finest for bedding, the new Double Petunias are superior in every way for porch boxes, or may be grown as individual plants. Flowers are truly mammoth, frequently measuring 3 to 4 inches across.

WORLD BEAUTY. Double fringed, carnation-rose color.

AFRICANA. Very deep purple shade.

WHITE QUEEN. Enormous pure white.

CALIFORNIA GIANTS. Immense double flowers in brilliant shades of rose, lavender and red. Bloom from April to fall.

40c each, 3 for 95c, prepaid.

Window Box and Bedding Plants

Shipment in May and June.

AGERATUM. New Riverside. Large feathery blue flowers blooming all season. Dwarf, compact-growing plants. Price: 15c each, 3 for 40c, prepaid.

ASTER. Wilt resistant type in pink, purple, white and red colors. 35c dozen, prepaid.

FRENCH HONEYSUCKLE. A golden leaved vine similar to Vinca Vine. Not affected by heat or wind. 20c each, 3 for 55c, prepaid.

GERANIUMS. Well developed in bloom or bud. Offered in bright red, rose pink, salmon pink or white. 25c each, 3 for 70c, prepaid.

MARGUERITE DAISY. Beautiful white daisy, yellow center. Height 12 to 18 in. 15c each, 3 for 40c, prepaid.



LANTANA. Brilliant yellow, bronze-pink, or orange-red flowers in great profusion all summer. 35c each, 3 for 95c, prepaid.

PANSY. Large flowered varieties in all colors and shades. Large plants in flower. 60c per dozen, 3 dozen \$1.50, prepaid.

PETUNIA. Balcony type in pink, purple and white. Price: 15c each, 3 for 40c, prepaid.

SALVIA. Also called Scarlet Sage. Crimson flowers 12 to 18 in. tall. Blooming mid-summer to late fall. Very showy. Price: 2 for 25c, 10 for \$1.00, prepaid.

VINCA ROSEA.
Ideal for hot sunny positions where other flowering plants fail to bloom. Grows a foot high and has attractive star-like flowers of rosy pink. Blooms continuously to frost. 20c each, prepaid.
3 for 55c



VINCA VINE (Periwinkle). The most popular for window boxes. A beautiful trailing vine with variegated foliage. The leaves are glossy green, broadly margined a creamy white. 20c each, 3 for 55c, prepaid.

Mammoth May Daisy

For
Decoration
Day
Flowers

3
for
50c
postpaid



Beautiful large white flowers, 3 to 4 inches across on tall 2-foot stems—excellent for cutting. They multiply rapidly. Divide roots and reset in August. A light straw winter cover is advisable. Choice, yellow or white. Price: 3 for 50c, 6 for 90c, prepaid.

Add 15c for Packing on Orders of Less Than 60c from This Page.

Page 47



Marie Vogel, 2 for 60c

Martha Washington Geraniums

MARIE VOGEL. Red shaded to salmon, dark blotches; blooms early and continues to bloom through the entire season.

AZALEA. Very dwarf grower with large Azalea-like flowers in shades of red with dark blotches.

35c each, 2 for 60c, prepaid

House Ferns

BOSTON FERN. Long, graceful drooping fronds.

TABLE FERNS. (Miuiature.) Dwarf leafy light green fronds.

ASPARAGUS FERN. (Plumosia.) Fine feathery foliage.

FEATHER FERN. (Sprengeri.) Long drooping branches.

WHITMANI. Fine cut-leaf foliage.

30c each, 3 for 80c, prepaid.

Greenhouse size: 75c each, prepaid.

The Best in Flower Seeds

1940 All-America Winners

AGERATUM, Midget Blue.....	Pages 42 and 48
PETUNIA, Glow.....	Pages 53 and 80
SCABIOSA, Heavenly Blue.....	Pages 54 and 80

Novelties & Specialties for 1940

BALSAM, Dwarf Double Torch.....	Pages 42 and 48
CALENDULAS, Apricot Queen and Masterpiece.....	Page 50
CELOSIAS, Spicata and Pyramidalis.....	Page 50
MARIGOLDS, Golden Glow, Dwarf Royal Scot and Golden Crown, Page 53	
PETUNIAS, Red Wonder, Flaming Velvet and Salmon Supreme, Page 55	
SALVIAS, Firebrand and Blue Bedder.....	Page 56
SWEET PEAS, a dozen new colors.....	Page 57
ZINNIAS, Super Crown O'Gold, Lavender Gem, Lemon Queen, Golden Dawn, Illumination and Will Rogers, Page 59	



Prize Winning Flower Border in a Recent Garden Photo Contest.

You May Win a Cash Prize in Our 1940 Garden Photo Contest
See Page 49 for Complete Details.

Ageratum

Floss Flower (Annual)

Invaluable for edgings and borders, Ageratum grows quickly from seed and blooms continuously until autumn.

1026 **MIDGET BLUE.** 4 in. All-America Silver Medal Award for 1940. Very low and compact, the plants are covered with rich azure-blue flowers.....Pkt. 25c

Color Illustration on Page 42.

1027 **BLUE CAP.** 6 in. Plants form miniature domes of deep lavender-blue; compact, with small leaves... $\frac{1}{8}$ oz., 40c, pkt. 15c

ANCHUSA "Blue Bird" (Annual)

1040 Height 18-24 in. Bears large umbels of vivid, indigo-blue, Forget-Me-Not-like flowers in a luxuriant bouquet on tall stems from July to October. Effective in the garden or for cutting..... $\frac{1}{8}$ oz. 15c, pkt. 10c

AQUILEGIA or Columbine (Perennial)

1073 **DOBBIE'S IMPERIAL HYBRIDS.** Height 2 ft. Splendid plants for partially shaded positions in the border or rockery. Foliage is graceful and fern-like;

the dainty long-spurred flowers are produced in strong brilliant shades of blue, lavender, pink and yellow.....Pkt. 15c

Snapdragons

ANTIRRHINUM (Annual)

New Rust-Proof Super Majestic Strain

A new type with extra-large flowers, closely set on long, sturdy spikes. Developed by scientists of the University of California, this strain is immune to rust. The seeds germinate better, the plants are more vigorous, the foliage clean, the flowers large and the colors exceptionally clear and beautiful. Height 2 $\frac{1}{2}$ ft.

1046 **ROSE SENSATION.** Rose-pink.

1047 **ORANGE SHADES.**

1048 **ROYAL CRIMSON.** Garnet-red.

1052 **CALIFORNIA GIANT MIXTURE.**

Each of the above. Pkt. 25c.
Any 3 pkts. for 65c

1054 **GIANT MIXED SNAPDRAGONS.** Height 30 in..... $\frac{1}{4}$ oz. 50c, pkt. 10c

1060 **HALF DWARF SNAPDRAGONS.** Height 18 in..... $\frac{1}{4}$ oz. 50c, pkt. 10c

BABY'S BREATH, see Gypsophila, page 52.

BACHELOR'S BUTTON, see Centaurea, page 50.

BALLOON VINE (Annual Climber)

1200 Height 10-15 ft. Graceful climber with pale green foliage and small white flowers followed by ornamental seed pods resembling balloons....Oz. 25c, pkt. 5c

Balsam

Lady Slipper (Annual)

A quick-growing border plant producing a profusion of flowers from midsummer to frost. Requires rich soil and a sunny position.

1205 **DOUBLE MIXED.** 2 ft. Sturdy bushy plants with large flowers clustered in the axils of the leaves. Colors: red, rose, pink and white..... $\frac{1}{8}$ oz. 25c, pkt. 10c

1206 **DOUBLE BUSH FLOWERING TORCH.** 10 in. Differs from the taller varieties in that the plants show no foliage when in bloom, as the vivid vermillion flowers are produced on the tips of the stems and completely cover the plant. Pkt. 20c
Color Illustration on Page 42.

BELLIS, English Daisy (Perennial)

1208 Height 6-8 in. Compact plants, with leaves forming a rosette; the daisy-like flowers of rose and white are borne on stiff stems. Bloom all summer. Pkt. 10c

1213 **BRACHYCOME, Swan River Daisy (Annual)**
Height 8 in. Compact plants with deeply cut foliage and dainty flowers. Suitable for edging and pot culture. Blooms all summer. Mixed colors.....Pkt. 10c

Alyssum—the Ideal Edging



ALYSSUM "SNOWCAP" commences to bloom when only one inch high and continues until frost.

ALYSSUM, Madwort (Perennial)

1034 **SAXATILE COMPACTUM.** "Basket of Gold." 9 in. A mass of golden yellow blooms in early spring when other flowers are scarce. Very effective as a border for tulips. The foliage is silver-gray..... $\frac{1}{4}$ oz. 40c, pkt. 10c

Wilt Resistant Asters

A special strain bred to resist Fusarium Wilt and much more vigorous and productive than the ordinary strains. The different types which we offer, vary in form and blooming season. By starting seed of various types, you are assured a brilliant garden display and flowers for cutting from mid-summer to frost.

Early Royal

(Early Midseason Wilt Resistant)

These come into bloom in mid-August. The flowers are large and very double, with broad incurved petals; stems are long and upright, branching from the base of the plants. Height of plants, 2 feet.

1125 Royal Rose. 1128 Royal Purple.
1127 Royal Lavender. 1130 Royal Mixed.

Each of the above, $\frac{1}{8}$ oz. 30c, pkt. 10c
One pkt. of each for 35c

Heart of France

(Early Midseason Wilt Resistant)

Conceded to be the finest red aster. Its remarkable color of rich glowing red deepens with age. The flowers are of good size, very full and double, and are borne on long stiff stems. Plants are of strong branching habit. 1½-2 ft. tall.

1175 Pkt. 15c

Quality Aster Offer

1 pkt. Early Dawn Mixed
1 pkt. Early Royal Mixed
1 pkt. Peony Flowered Mixed } 30c

Novelty Aster Offer

One packet each
Super Giant Los Angeles
Giant California Sunshine
Super Giant El Monte } 40c

For Aster Plants see Page 47
For Hardy Asters see Page 46
and Inside Front Cover.

Super Giant Asters

(Midseason)

Magnificent large flowers, 6-8 inches across, full petaled and very deep with gracefully interlacing petals. Plants 2½ ft. tall.
1148 LOS ANGELES. An enchanting shade of pure shell-pink. Pkt. 15c
1149 EL MONTE. Deep glowing crimson, with the sparkle of live rubies. Pkt. 15c

Giant Single Southcote Beauty

(Early Midseason)

Unrivalled by any other aster for cutting and house decoration. The flowers have long, perfectly formed petals and comparatively small, golden-yellow centers. Plants are of branching habit, 2-2½ ft. tall; blooms are borne on long stiff stems.

1155 Dark Blue. 1157 Lavender.
1156 Bright Rose. 1158 Scarlet.
Each of the above, pkt. 10c
One pkt. of each for 30c

Giant California Sunshine

(Midseason)

The most beautiful and artistic of all Asters. The flowers have cushion centers of light yellow tubular petals, surrounded by broad guard petals of pink, rose, blue or lavender, producing a wonderful color contrast, and presenting an airy, lace-like effect. Individual blooms are 5-6 inches in diameter, on long, stiff stems. Plants 2½-3 ft. high.
1169 Finest Mixed. $\frac{1}{8}$ oz. 35c; pkt. 15c.



Early Royal Branching Asters.

You May Win a \$5.00 CASH PRIZE

BY ENTERING OUR CONTEST FOR AMATEUR GARDENERS IN THE GROWING OF ANNUAL FLOWERS

Just select your annual flower seed from a Farmer Seed dealer in your neighborhood or send your order directly to us, then plant your garden. In summer when the flowers are at their best

SEND US A PHOTOGRAPH

An ordinary clear snapshot will do. The judges will award the prize to the contestant sending the best picture of a blooming plant or group of plants, with a brief description.

First prize.....\$5.00 cash Second prize.....\$3.00 cash
Third prize.....\$2.00 cash

Prizes will be mailed to winners as soon as possible after October 15, 1940

Giant California Sunshine Asters.



Calendula Campfire is brilliant orange with a scarlet sheen.

New Calendulas

Scotch or Pot Marigold (Annual)

These brilliant flowers bloom from early summer to frost, and thrive even in poor soil. The plants are bushy and grow about 2 feet high.

1214 **CHRYSANTHA** or **SUNSHINE**. Bright buttercup-yellow; long curling outer petals; incurved center petals. $\frac{1}{4}$ oz. 40c; pkt. 10c

1215 **APRICOT QUEEN**. Bright apricot, deepening slightly toward the center. $\frac{1}{4}$ oz. 40c; pkt. 10c

1216 **MASTERPIECE**. Rich deep orange with a darker center. $\frac{1}{4}$ oz. 40c; pkt. 10c

1217 **CAMPFIRE**, (Sensation). Extra large orange flowers with an iridescent scarlet sheen. $\frac{1}{4}$ oz. 50c; pkt. 10c

1218 **ORANGE BEAUTY**. Extra large blooms of perfect form, double to the very center. Pure glowing orange. $\frac{1}{4}$ oz. 40c; pkt. 10c

1219 **DOUBLE ART SHADES**. Pastel hues of apricot, cream, orange and tangerine. $\frac{1}{4}$ oz. 50c; pkt. 10c



Canterbury Bells

Campanula

Plants form perfect pyramids about 2 feet high and produce beautiful bell-shaped flowers on long upright stems. Bloom in early summer.

1224 **ANNUAL CANTERBURY BILLS**. Blooms from seed in less than six months. Seed started indoors in March will bloom in August. Plants bear six to eight flower spikes. Mixture includes pink, deep rose, violet and dark blue. Pkt. 15c

Biennial Canterbury Bells

1225 **SINGLE CANTERBURY BILLS**. Mixed colors, rose, blue and white. Pkt. 10c

1226 **DOUBLE CANTERBURY BILLS**. Mixed colors, pink, blue and white. Pkt. 10c

1232 **CUP AND SAUCER CANTERBURY BILLS**. Its very large calyx is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors. Pkt. 10c

CANARY BIRD VINE (Annual Climber)

1235 Height 15-20 ft. Dainty cut foliage and curious bird-like blossoms of a clear canary yellow. Fine for covering stumps, trellises or fences. $\frac{1}{2}$ oz. 25c; pkt. 10c

Candytuft

(Annual)

Dwarf plants admirably adapted to beds, edgings, pots and borders. Will thrive anywhere, and blooms profusely throughout the summer.

1240 **GIANT HYACINTH-FLOWERED**. 1 ft. Enormous spikes of snow-white flowers. $\frac{1}{4}$ oz. 25c; pkt. 10c

1242 **FINEST MIXED**. $\frac{1}{4}$ oz. 15c; pkt. 10c

CANDYTUFT, IBERIS (Perennial)

1243 **SEMPERVIRENS**. 1 ft. Dwarf evergreen plants covered with white flowers in spring and early summer. Fine for borders and the rock garden. $\frac{1}{8}$ oz. 60c; pkt. 15c

CARDINAL CLIMBER (Annual)

1245 Height 20 ft. A strong rapid-growing climber with fine fern-like foliage and clusters of bright red flowers from mid-summer to frost. Very showy and attractive. Pkt. 10c

Cockscomb

Celosia (Annual)

1255 **CRISTATA**. Height 12-18 in. Large ornamental flower-heads frilled and corrugated like a cock's comb. Mixed colors. Pkt. 8c

1256 **CHILD'SI**, (Chinese Wool Flower). Height 3 ft. Large globular flower-heads, resembling balls of wool chenille, of a rich bright red color. Bloom from early summer to frost. Pkt. 10c

1257 **SPICATA**. Height 3 ft. The flowers are slender, pointed spikes of soft bright rose, gradually changing to silver-white. Pkt. 15c

1258 **PLUMOSA**. Height 3 $\frac{1}{2}$ ft. Forms pyramidal branching plants with large feathery flower-heads, ranging from orange to deep crimson. Mixed colors. Pkt. 8c

1259 **PYRAMIDALIS** (Flame of Fire). Height 1 $\frac{1}{2}$ ft. Candelabra-shaped plants, each branch terminating in a flower-head of fiery scarlet. Pkt. 15c

Chrysanthemum

1285 **ANNUAL CHRYSANTHEMUMS**. Height 20 in. Daisy-like flowers in attractive color combinations of yellow, brown, red rose and white. Useful for mass color effects and excellent for cutting. Bloom all summer. $\frac{1}{4}$ oz. 25c; pkt. 10c

1290 **SHASTA DAISY** (Perennial). Height 2 ft. June-August. Bears large white flowers on long stems; invaluable for cutting. Very free flowering. Pkt. 10c

Centaurea

Bachelor's Button—Cornflower Cyanus (Annual)

1268 **JUBILEE GEM**. 1 ft. This new dwarf variety forms a compact plant, literally covered with vivid deep blue flowers. Pkt. 20c

1269 **DOUBLE MIXED**. $\frac{1}{2}$ oz. 30c; pkt. 10c

1278 **SWEET SULTAN**. (Imperialis.) 2-3 ft. Handsome artistic flowers, resembling the blossoms of thistles, delightfully fragrant, fluffy and double; on long smooth stems, fine for cutting. Mixed colors. Pkt. 10c

1280 **DUSTY MILLER**. 1 ft. Compact plants with finely cut silver-gray foliage. Used for heds and edgings. Pkt. 10c

CHINESE LANTERN, see Physalis, page 55.



CENTAUREA JUBILEE GEM has vivid dark blue flowers.

Carnation

Giant Flowering (Annual)

Few flowers surpass in fragrance the spicily-scented Carnation. Given an early start indoors or in a hotbed, Double Carnations like those grown by florists, can be grown in the outdoor garden. Plants lifted in fall, cut back and potted, will bloom again indoors.

1251 **GIANT ENFANT DE NICE**. Flowers are 2-3 inches in diameter on long, strong stems. Finest mixed colors. Pkt. 20c

1252 **GIANT DOUBLE MARGUERITE**. Blooms abundantly within five months from planting. Finest mixture. $\frac{1}{4}$ oz. 35c; pkt. 10c

CASTOR BEAN, see Ricinus, page 56.

Clarkia (Annual)

1300 **ELEGANS DOUBLE MIXED**. Height 2 ft. Plants send up a mass of slender, upright branches, with each branch covered for almost its entire length with charming rosette-like flowers, resembling the sprays of Flowering Almond. $\frac{1}{4}$ oz. 50c; pkt. 10c

We Want You To Try the New Celosias, Flame of Fire and Spicata.

Special Introductory Offer: one packet each for 25c.

Cathedral Bells

COBaea SCANDENS (Annual Climber)

1303 Height 15-20 ft. A rapid-growing, handsome climber with beautiful bell-shaped flowers $1\frac{1}{2}$ inches across and 2 inches long. Flowers open a clear green, gradually changing to deep violet blue. Particularly desirable for covering arbors, walls, etc. Pkt. 10c

COLEUS (Tender Perennial)

1305 Height 12-18 in. Handsome foliage plants valuable for bedding borders and window boxes. The leaves are large, of various shapes, marked and bordered in brilliant color combinations. Finest mixed. Pkt. 10c

COLUMbine, see Aquilegia, page 48.

CORALBELLs, see Perennial Plants, page 46.

CORNFLOWER, see Centaurea, page 50.

CATHEDRAL Bells

(Cobaea Scandens)

This graceful climber has beautiful bell-shaped flowers of deep violet-blue.

Gay Coreopsis

(Perennial)

Height 2 ft. Large orange-yellow flowers on long graceful stems. Bloom profusely during the summer and fall, affording a constant supply of cut flowers.

1308 MAYFIELD GIANT. Tall vigorous plants with long stiff stems and very large flowers of rich golden yellow. Pkt. 15c

1309 DOUBLE YELLOW. This new form is very popular, the extra petalage adding a further charm to the immense bright yellow flowers. Pkt. 15c

CYNOGLOSSUM, Chinese Forget-Me-Not (Annual)

1318 AMABILE. 18-24 in. Of easy culture, producing large sprays of bright blue Forget-me-not-like flowers all summer. Splendid in bouquets. Pkt. 10c

CYPRESS VINE (Annual Climber)

1319 Height 10-15 ft. A good vine for training on a light ornamental trellis. Bears a profusion of star-shaped scarlet and white blossoms from midsummer to frost. Fine fern-like foliage. $\frac{1}{2}$ oz. 30c; pkt. 5c

DATURA, Angel's Trumpet (Annual)

1325 CORNUCOPIA. 2-3 ft. Handsome subtropical plants with immense trumpet-shaped, fragrant flowers of creamy white with violet markings. Blooms from early summer to fall. Pkt. 10c

New Giant Cosmos

1310 EARLY FLOWERING MAMMOTH MIXED. 4-6 ft. Contains soft shades of crimson, rose, pink and lavender. Pkt. 10c

1311 PINK SENSATION. Height 4 ft. This giant flowered early strain produces blooms of immense size, 4-5 inches or more in diameter, with broad, heavy fluted petals. Ideal for cut flower use. Pkt. 15c

1312 ORANGE FLARE. 3 ft. Blooms in less than four months from seed. Flowers are a deep brilliant orange, with handsome light green foliage. Pkt. 10c

1314 DOUBLE EARLY FLOWERING MIXED. 3-4 ft. Combines the beauty of the double-crested with the earliness of the single type. Mixed colors. Pkt. 15c



Giant Flowering Cosmos, Pink Sensation.

Tall Stately Delphiniums

HARDY LARKSPUR (Perennial)

1333 BELLAMOSUM. Rich, deep blue. Pkt. 15c

1334 CLIVEDEN BEAUTY. (Improved Belladonna.) Turquoise blue. Pkt. 15c

1335 GOLD MEDAL HYBRIDS. Flowers range in color from pale lavender to deep blue, with many double. Pkt. 10c

1336 WREXHAM HOLLYHOCK STRAIN. Giant flowered strain with double blooms $1\frac{1}{2}$ to 2 inches across, many of them bicolor. Pkt. 35c

1337 PACIFIC GIANTS. Developed on the Pacific Coast. Florets 2 inches across, on 5 ft. stems, slender and wiry. Mildew resistant. Blue shades. Pkt. 50c

1338 BLUE BUTTERFLY. (Chinese Delphinium.) 3 ft. Intense gentian-blue florets; finely cut foliage. $\frac{1}{4}$ oz. 55c; pkt. 10c

DELPHINIUM PLANTS, see page 46.

Dianthus

China Pinks (Annual)

Easily raised from seed, they bloom from early summer until frost.

1340 SWEET WIVELSFIELD. A splendid border and cut flower. The blooms are larger than Sweet William, with beautiful brilliant colorings and markings. Pkt. 15c

1341 HEDDEWIGI LACINIATUS. DOUBLE MIXED. 1 ft. Brilliant colors, many striped and mottled. $\frac{1}{4}$ oz. 25c; pkt. 10c

1348 HEDDEWIGI LACINIATUS. SINGLE MIXED. 1 ft. Very large fringed flowers ranging from white to deep crimson. Mixed colors. $\frac{1}{4}$ oz. 25c; pkt. 10c

DIANTHUS Clove or Grass Pinks (Perennial)

1351 PLUMARIUS. SINGLE AND DOUBLE MIXED. 1 ft. Cherished for their spicy fragrance and rich coloring. Fine for rock gardens and edgings. $\frac{1}{4}$ oz. 25c; pkt. 10c

DIANTHUS BARBATUS, see Sweet William.

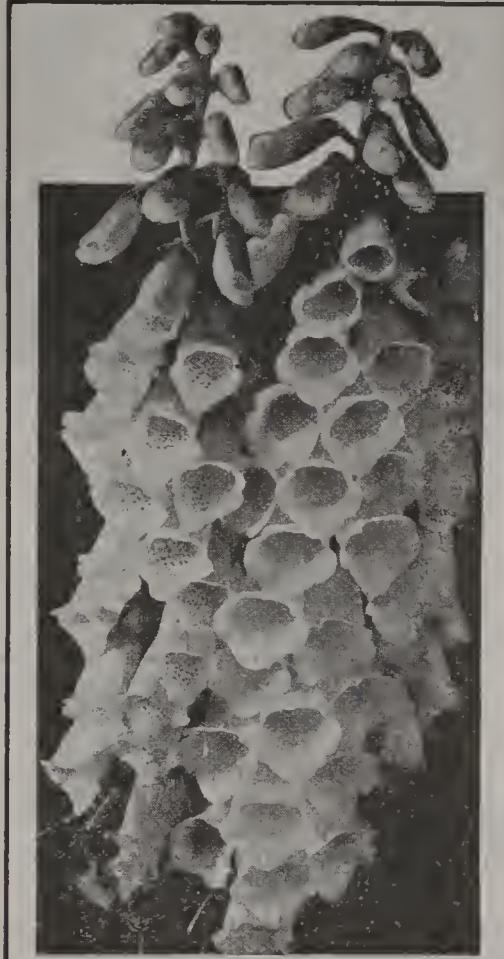
DIDISCUS, Blue Lace Flower (Annual)

1354 Height 2-3 ft. Clusters of lovely umbel-shaped flowers, 2 to 3 inches across are produced from July to frost. The color is an exquisite shade of clear lavender-blue. Desirable for cutting. $\frac{1}{2}$ oz. 25c; pkt. 10c

DOLICHOS, Hyacinth Bean (Annual Climber)

1357 Height 10 ft. Large dark green leaves and erect racemes of purple and white flowers, followed by ornamental seed pods of a shining bronze-purple. Grows rapidly. Oz. 25c; pkt. 10c

ENGLISH DAISY, see Bellis, page 48.



FOXGLOVE
Digitalis (Biennial)

1355 Tall spikes of brilliant color, 3 or more feet high, closely set with bell-shaped flowers of white, rose, and crimson with beautiful throat markings. Pkt. 10c

Sweet Sultan (*Centaurea Imperialis*, Page 50) Lasts 10 Days or More When Cut, Increasing in Beauty in Water.

Improved Gaillardias

Blanket Flower (Annual)

Brilliant and effective either for garden decoration or cutting. Gaillardias delight in a warm sunny location and light, open, well-drained soil. Sow the seed where they are to bloom.

1379 INDIAN CHIEF. 1 ft. Flowers are a glittering, metallic, bronze-red color with dark brown center... $\frac{1}{8}$ oz. 25c; pkt. 10c

1380 LORENZIANA DOUBLE FINEST MIXED. 18 in. Colors range from light lemon-yellow to deep orange or scarlet with striking bands and flecks of crimson.... $\frac{1}{8}$ oz. 25c; pkt. 10c

Gaillardia Grandiflora

(Perennial)

One of the few perennials that flower continuously from June to October. They thrive in any position or soil and are perfectly hardy. Invaluable for cutting.

1381 THE DAZZLER. 2 ft. Large golden-yellow flowers with rich maroon centers..... Pkt. 15c

1382 BURGUNDY. 2 ft. Shining wine-red flowers, 2 $\frac{1}{2}$ in. in diameter on long, stiff stems..... Pkt. 20c



Misty sprays of BABY'S BREATH combined with brightly colored GAILLARDIAS.

HELIOPSIS, Orange Sunflower (Perennial)

1428 PITCHERIANA. 3-4 ft. Large golden-yellow flowers, 2 in. across, are produced on long stiff stems. Brilliant in the garden and fine for cutting. Blooms all summer... Pkt. 10c

Every

garden
has a

place
for a
group
of tall
stately

HOLLYHOCKS.

GOMPHRENA, Globe Amaranth (Annual)

1390 Height 18-24 in. Bushy plants with clover-like blossoms of purple-red, yellow, rose and white. Very attractive in winter bouquets. They should be cut before they are fully open..... Pkt. 10c

GOURDS, ORNAMENTAL (Annual Climber)

1393 SMALL VARIETIES MIXED. 15-20 ft. Useful for covering arbors, fences, etc. The flowers are often beautiful, and the fruits are oddly shaped and quaintly marked and colored. They make unique table decorations and interesting toys for children..... $\frac{1}{2}$ oz. 20c; pkt. 10c



BRIGHTLY COLORED GOURDS arranged in a bowl or basket make an unusual center-piece for the table.

Hollyhocks

1436 NEW DOUBLE TRIUMPH. 5 ft. Beautifully fringed rosette flowers in many new pastel shades and bi-color combinations... $\frac{1}{4}$ oz. 60c; pkt. 10c

1437 CHATER'S DOUBLE MIXED. 5 ft. Extremely double flowers resembling small peonies with closely packed petals. Color range includes crimson, rose-pink, yellow, salmon and scarlet... $\frac{1}{4}$ oz. 70c; pkt. 10c

1440 ANNUAL INDIAN SPRING. Blooms in 5 months from seed. Has double and semi-double fringed flowers in shades of pink on 4-5 ft. plants..... Pkt. 20c

HUNNEMANNIA or Tulip Poppy (Annual)

1444 SEMI-DOUBLE SUNLITE. Height 18 in. July to September. Flowers clear canary-yellow, about 3 in. across. Unlike other double flowers, this novelty develops a band of short petals on the outside of the cup, which adds to its size and attractiveness... Pkt. 15c

IBERIS, see Candytuft, page 50.

California Poppies

Eschscholtzia (Annual)

1365 RAMONA HYBRIDS FINEST MIXED. Flowers beautifully frilled and incurved. Pkt. 15c

1366 DOUBLE CHOICE MIXED. Large double flowers in brilliant shades... $\frac{1}{8}$ oz. 30c; pkt. 10c

FEVERFEW, see Matricaria, page 53.

FORGET-ME-NOT, see Myosotis, page 54.

FOUR O'CLOCKS, Marvel of Peru

1370 Height 2-3 ft. Erect, bushy plants with dense glossy foliage and hundreds of long-tubed, funnel-shaped flowers of white, yellow, crimson or striped. They remain closed until 4 o'clock in the afternoon when the plants become a glowing mass of color..... Oz. 25c; pkt. 5c

FOXGLOVE, see page 51.

GERANIUM (Tender Perennial)

1384 ZONALE. Of easy culture, producing blooming plants the first summer from spring-sown seed. Valuable for bedding, borders, window boxes and house culture. Mixed colors..... Pkt. 10c

Gilia, Queen Anne's Thimble (Annual)

1387 CAPITATA. 2 ft. Erect bushy plants with fine feathery foliage and globe-shaped flowers of a rich lavender-blue. Good for cutting, as the blooms last well in water... $\frac{1}{4}$ oz. 25c; pkt. 10c

Godetia or Satin Flower (Annual)

1388 UPRIGHT SINGLE FINEST MIXED. 15 in. Godetia seeds sprout during the cool, wet months of early spring and bloom profusely in late spring. They cannot tolerate strong summer sun. The flowers are large and trumpet-shaped and come in shades of pink, white, and crimson..... Pkt. 10c

Baby's Breath

Gypsophila (Perennial)

1410 PACIFICA. New rose-pink form, coming into bloom after the paniculata variety has passed..... Pkt. 25c

1415 PANICULATA. 2-3 ft. Plants are branched and spreading with stiff, wiry stems and minute white flowers, producing a graceful misty effect. Used extensively with cut flowers as well as for winter bouquets. $\frac{1}{4}$ oz. 25c; pkt. 10c

ANNUAL GYPSOPHILA

Graceful branching plants with clusters of delicate flowers about one-half inch across. Beautiful in bouquets with other flowers.

1416 ELEGANS GRANDIFLORA ALBA. 1-2 ft. Large-flowering pure white..... $\frac{1}{2}$ oz. 20c; pkt. 5c

1417 ELEGANS GRANDIFLORA ROSEA. 1-2 ft. Beautiful soft pink... $\frac{1}{2}$ oz. 20c; pkt. 5c

HELIANTHUS, see Sunflower, page 57.

HELICHRYSUM, Everlasting or Strawflower (Annual)

1425 Height 2-3 ft. Large double flowers, 1-1 $\frac{1}{2}$ in. across, are produced all summer. Colors range from yellow, orange, red and rose to white. Splendid for winter bouquets... $\frac{1}{4}$ oz. 25c; pkt. 10c



ANNUAL GAILLARDIAS furnish an abundance of cut flowers even during a hot, dry summer.

Ice Plant

The Ideal Edging Annual for Dry Sandy Soil

1446 **MESEMBRYANTHEMUM CRYSTALLINUM.** Height 6 in. A curious trailing plant, with thick succulent leaves covered with glistening ice-like globules. The flowers are pinkish-white. Very popular for rock gardens and dry sunny borders..... $\frac{1}{4}$ oz. 15c; pkt. 5c

JOB'S TEARS (Annual)

1448 **COIX LACHRYMAE.** Height 2-4 ft. An ornamental grass, with broad, glistening leaves. Bears curious shiny seeds which may be strung and used as beads. Pkt. 5c

KOCHIA, Summer Cypress (Annual)

1465 Height 2-2 1/2 ft. Plants are erect, much-branched and densely pyramidal resembling small closely-sheared evergreens. Foliage is feathery soft bright green, turning to red in fall. $\frac{1}{4}$ oz. 25c; pkt. 10c

Annual Larkspur

Giant Imperial

One of the gayest of the summer-blooming annuals, and especially valuable for cutting. The spikes are heavily covered with fully double flowers; individual florets are large and closely placed on the stems. Height 3-4 feet.

1470 **BLUE BELL.** Azure blue.
1471 **BLUE SPIRE.** Deep violet-blue.
1472 **DAZZLER.** Rich scarlet.
1473 **MISS CALIFORNIA.** Salmon-rose.
1475 **GIANT IMPERIAL MIXED.**
Each of the above, $\frac{1}{4}$ oz. 40c; pkt. 10c.



Lathyrus can be trained on posts, trellises or wires to fill in any gaps.

LATHYRUS

Perennial Pea (Perennial Climber)

1480 **LATIFOLIUS.** 6-8 ft. A decorative vine for a trellis or fence. The flowers are borne in large clusters all summer, and are splendid for cutting. Mixed colors: rose, white and crimson. Once established, the roots should not be disturbed..... $\frac{1}{2}$ oz. 40c; pkt. 10c



Kochia makes an attractive, symmetrical summer hedge.

LOBELIA, Crystal Palace (Annual)

1489 Height 6 in. Plants form compact little bushes covered with brilliant, deep blue flowers throughout the summer. Desirable for edgings, bedding and pot culture..... $\frac{1}{2}$ oz. 50c; pkt. 10c

LUNARIA or Honesty (Biennial)

1490 Height 2 ft. Has purple flowers followed by shiny silvery seed pods. It is called "Honesty" because the seeds can be seen through the pods. Also known as St. Peter's Penny. Very attractive in winter bouquets combined with Physalis and other Everlastings..... Pkt. 10c

Lupins

Hartwegii (Annual)

1493 Height 2 ft. Tall graceful spikes of pea-shaped flowers in delicate shades of blue, lavender, pink and white. If cut as they mature the plants continue to bloom..... $\frac{1}{2}$ oz. 25c; pkt. 10c

LUPINS, Polypodium (Perennial)

1494 Height 3-4 ft. Plants form tufts of deeply cut dark green foliage, from which arise the stately spikes of bloom in delicate shades of blue, mauve, pink and yellow..... Pkt. 10c

Grow Flowers, Vegetables WITHOUT SOIL

"The Sensation of the 20th Century"

Contains
Every
Mineral
That
Every
Plant
Needs.



Inexpensive—Easy to Use

Makes sturdy plants with strong root systems which produce more and larger flowers. Grow your own flowering, vegetable or house plants without soil! See page 80 for details. Complete directions with each package.

Small pkgs. 35c, large pkgs. 55c, prepaid.

French Marigolds

1503 **DOUBLE HARMONY.** 1 ft. Rich deep orange center petals, surrounded by velvety maroon-brown guard petals. $\frac{1}{4}$ oz. 50c; pkt. 10c
1504 **DWARF ROYAL SCOT ALL DOUBLE.** 1 ft. This new strain is of dwarf bushy growth, with rich mahogany and gold flowers uniformly striped..... Pkt. 20c
1505 **TOM THUMB GOLDEN CROWN.** 1 ft. A dwarf form of Guinea Gold. Golden yellow flowers of the same carnation type and firm substance are produced in great abundance..... Pkt. 15c
Marigold Border Special.
One Packet each above for 35c

Double African Marigolds

1500 **LEMON QUEEN.** 30 in. Large double-quilled flowers of lemon yellow. $\frac{1}{4}$ oz. 30c; pkt. 10c
1501 **PRINCE OF ORANGE.** 30 in. Immense double-quilled flowers with ends of petals slightly frilled. Color is a deep golden orange..... $\frac{1}{4}$ oz. 30c; pkt. 10c
1502 **FINEST MIXED VARIETIES.** All shades from pale yellow to deep orange. $\frac{1}{4}$ oz. 20c; pkt. 5c

For a Colorful Edging, Plant Our Marigold Border Special—3 Pkts. for 35c.

Page 53

Lavatera

Annual Mallows

1482 **BRILLIANT ROSE.** 2 1/2 ft. Showy plants covered with large gay flowers throughout the summer. Color, brilliant rose changing to salmon-rose at center with darker veins in throat.... Pkt. 15c

LEPTOSIPHON (Annual)

1484 **FRENCH HYBRIDS.** 8-12 in. A charming annual for borders and beds. When planted in masses they form a sheet of trumpet-shaped flowers, ranging from yellow to rose and ivory..... Pkt. 10c

LINARIA, Maroccana (Annual)

1486 Height 12-18 in. Flowers are small and dainty, resembling miniature snapdragons. The colors range through crimson and gold, pink, mauve, blue and rose. Bloom in about 8 weeks from seed.... Pkt. 15c

Fragrant Double Nasturtiums



The Double Gleam and Tall Flowering varieties quickly cover sunny slopes, stone walls or bare spots in the rock garden, while the dwarf sorts are excellent border and edging plants.

1569 **APRICOT GLEAM.** Large, double sweet-scented flowers of primrose-yellow, suffused with salmon-pink and blending into a lovely shade of apricot. . . . Pkt. 10c

1570 **DOUBLE GOLDEN GLEAM.** The large, golden-yellow, double flowers are sweet-scented. The trailing plants are very ornamental and produce a wealth of blossoms. . . . Oz. 20c; pkt. 10c

1571 **DOUBLE SCARLET GLEAM.** Fiery scarlet, semi-double flowers, with ruffled petals. Fragrant. . . Oz. 30c; pkt. 10c

1572 **DOUBLE GLORIOUS GLEAM HYBRIDS.** Gorgeously colored flowers of salmon, yellow, cream, orange, scarlet, maroon and rose shades. Sweet scented . . . Oz. 20c; pkt. 10c

1573 **DWARF DOUBLE GEM MIXTURE.** The ideal plant for border and edging use. Dwarf, compact, totally without runners, the plants produce fragrant, semi-double flowers of good size. The color range includes shades of rose, salmon, yellow and scarlet. . . . Oz. 30c; pkt. 10c

1574 **DWARF SINGLE MIXED.** 1 ft. Giant flowers in a great variety of gay color combinations as well as the brilliant self-colored sorts. . . . $\frac{1}{4}$ lb. 40c; oz. 15c; pkt. 8c

1575 **TALL GIANT FLOWERING MIXED.** 6 ft. Excellent for hanging baskets, window boxes or for covering fences or walls. . . . $\frac{1}{4}$ lb. 40c; oz. 15c; pkt. 8c

NEMOPHILA, "Baby Blue Eyes" (Annual)

1537 Height 6 in. Blooms quickly from seed and continuously from spring until frost. Showy bell-shaped flowers in shades of blue, white and violet. Fine for edging and borders. Prefers a moist, partially shaded position. . . . Oz. 30c; pkt. 10c

NICOTIANA, Flowering Tobacco (Annual)

1540 Height 2-3 ft. Plants are of branching habit, and bloom continuously from early summer until frost. The flowers resemble petunias, but have a longer tube. They open toward evening and emit a heavy fragrance. Hybrids mixed. . . . $\frac{1}{4}$ oz. 25c; pkt. 10c

Morning Glories

Ipomea (Annual Climber)

Beautiful vines of luxuriant growth, covered with large, variously colored flowers all summer. Splendid for covering trellises, arbors and porches.

1524 **MOONFLOWER.** Immense pure white fragrant flowers that open at night and on cloudy days. . . . $\frac{1}{2}$ oz. 25c; pkt. 10c

1525 **SCARLETT O'HARA.** A new color in Morning Glories. Rich wine-red or deep crimson. Very showy. For early flowering, the seed should be started in pots in March. . . . Pkt. 15c

1526 **EARLY FLOWERING HEAVENLY-BLUE.** Vines are a mass of lovely sky-blue flowers, 2½-3 inches across, from early summer to frost. . . . Pkt. 15c
See Color Illustration, Page 42.

1527 **JAPANESE MIXED.** Flowers are ruffled and fluted from throat to margin. Colors: red, rose, garnet, blue, purple, etc. . . . $\frac{1}{2}$ oz. 20c; pkt. 5c

1528 **BRAZILIAN MORNING GLORY.** Rosy purple. . . . $\frac{1}{2}$ oz. 25c; pkt. 10c

MATRICARIA Feverfew (Tender Perennial)

1512 **CAPENSIS.** 18-24 in. Plants are bushy in growth, with finely cut leaves and clusters of small, tightly double, white flowers. Excellent for pot plants, bedding and cutting. . . . Pkt. 10c

MATTHIOLA, see Stock, page 57.

MIGNONETTE, Reseda (Annual)

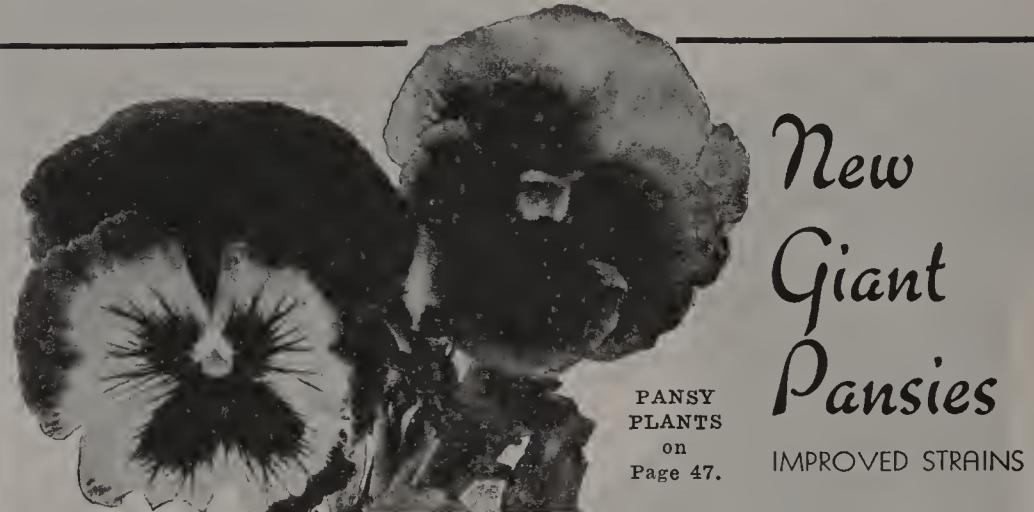
1516 **MACHET.** 12-15 in. Immense compact spikes of blossoms with a delicate fragrant odor are produced throughout the summer and until late in the fall. Fine for cutting. . . . $\frac{1}{4}$ oz. 25c; pkt. 10c

Moss Rose, see Portulaca, page 55.

MOURNING BRIDE, see Scabiosa, page 56.

MYOSOTIS or Forget-Me-Not (Perennial)

1535 Height 4-9 in. Plants are of compact habit with large clusters of exquisite clear blue flowers. Flourish in moist shady positions. Require winter protection. . . . Pkt. 10c



New Giant Pansies

PANSY
PLANTS
on
Page 47.

IMPROVED STRAINS

ROGGLI SWISS GIANTS

1606 **ALPENGLOW.** Beautiful cardinal and garnet red shades. . . . Pkt. 20c

1608 **LAKE OF THUN.** Ultramarine blue with darker blotches. . . . Pkt. 20c

1609 **RHEINGOLD.** Yellow with mahogany blotches on lower petals. . . . Pkt. 20c
One pkt. each above for 50c.

1628 **ROGGLI SWISS GIANTS MIXED.** Gigantic flowers of heavy texture on strong stems. The colors are choice and rare, surpassing in quality and range all other Swiss Giants. . . . $\frac{1}{8}$ oz. \$1.25; pkt. 25c
See Color Illustration, Page 42.

SPECIAL MIXTURES

1620 **ENGLEMANN'S SPECIAL GIANT.** Re-selected to a strain of immense flowers from the old Scottish Show type. Bronze and reddish shades. Vigorous, compact and early flowering. . . . Pkt. 35c

1629 **MASTERPIECE OR RUFFLED PANSIES.** A remarkable strain of Giant Pansies with beautifully frilled petals, so full as to appear almost double. Rich colors, with dark velvety shades predominating. . . . $\frac{1}{8}$ oz. 75c; pkt. 15c

1631 **TRIMARDEAU MIXTURE.** A superior strain, with robust deep-rooting plants and flowers of mammoth size and great substance. Choice mixed colors. . . . $\frac{1}{8}$ oz. 30c; pkt. 10c

*The Dainty Button-Like Flowers of Matricaria (Feverfew) are Lovely
Combined with Larkspur in a Bouquet.*

Giant Flowering Petunias

100% All-Double Giant Fringed

1653—**ALL-DOUBLE GIANT FRINGED MIXED.** This wonderful new strain produces 100% double-flowering plants. The flowers are exquisitely fringed and often measure 5 inches across. An extra fine mixture of bright and intermediate shades.....Pkt. 50c

Balcony Petunias

Particularly recommended for porch and window boxes. The plants are of trailing habit, with immense single flowers, three inches in diameter. Produced in great abundance from early summer until killed by frost.

1656 **DEEP BLUE.** Beautiful deep violet-bluePkt. 15c
1657 **DAMASK ROSE.** Brilliant Tyrian rose.Pkt. 15c

Bedding Petunias

Dense bushy little plants, 8-12-inches high, literally covered with flowers. Indispensable for borders, pots, rock gardens and bedding.

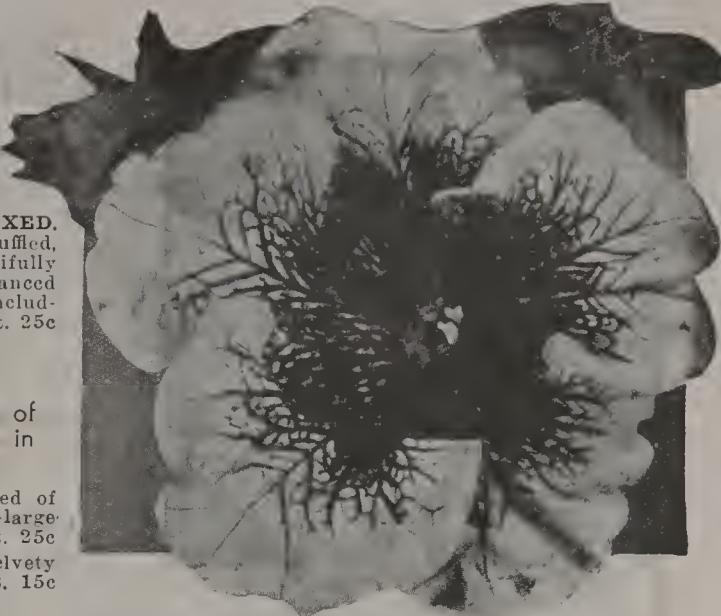
1644 **GLOW.** 1940 All-America Winner. Bright rich rose-red flowers on dwarf compact plants. Blooms profusely all summer. Pkt. 25c
1645 **HOLLYWOOD STAR.** Distinctive novelty with 5-pointed star-shaped flowers of deep rose-pink with a golden throat. Pkt. 15c
1646 **ROSE GEM.** A new miniature strain, with rich deep rose blooms which cover the compact plants from early summer to frost.....Oz. 60c, pkt. 10c

PETUNIA PLANTS, see page 56.

PENTSTEMON PLANTS, see page 46.

Giant Single Flowering Ruffled

1655 **GIANTS OF CALIFORNIA MIXED.** Enormous flowers, fringed and ruffled, with attractive deep throats beautifully marked and veined. A well-balanced mixture of light and dark colors, including copper-red, rose and pink. Pkt. 25c



GIANTS OF CALIFORNIA are the largest Single Petunias known.

The Flower Educator

Lovers of flowers will read with interest and pleasure Audel's Flower Educator. Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding. A much appreciated gift.

Complete Pocket Size \$1.50 ppd.

Pyrethrum

Painted Daisy (Perennial)

Valuable, hardy garden plants with beautiful daisy-like flowers in all shades of pink, rose and crimson. Their long flowering period, long stems and wonderful lasting properties make them very popular for cutting. Height 1-2 feet.

1725 **SINGLE MIXED**... $\frac{1}{8}$ oz. 50c; pkt. 10c
1726 **DOUBLE MIXED**.....Pkt. 25c

RHODANTHE, Everlasting (Annual)

1729 **MANGLESII ROSE.** 1 ft. One of the few everlastings which retains its grace and beauty after being dried. Flowers cut before they fully expand retain their beautiful bell form.....Pkt. 10c

RICINUS or Castor Bean (Annual)

1730 **RED SPIRE.** 6-8 ft. Foliage plants of luxuriant and rapid growth, valuable for backgrounds and screens, producing a rich tropical effect. The leaves are of enormous size, deeply lobed and conspicuously veined, dark green and bronze in color.....Oz. 25c; pkt. 8c

Platycodon

Chinese Bell or Balloon Flower (Perennial)

1679 **GRANDIFLORA BLUE.** Height 18-24 in. Handsome compact-growing plants, bearing an abundance of broad, bell-shaped blue flowers in July. The flowers when in bud have the appearance of inflated balloons.....Pkt. 10c



Portulaca

Moss Rose (Annual)

Portulacas thrive in a dry, sunny position where most other flowering plants would die of drought. They are but 4 inches high, of spreading habit and form a dense thick carpet. The glossy cup-shaped single blossoms and rose-like double flowers cover the plants and make a brilliant display throughout the summer and fall.

1712 **SINGLE MIXED**... $\frac{1}{4}$ oz. 20c; pkt. 10c
1713 **DOUBLE MIXED**... $\frac{1}{4}$ oz. 75c; pkt. 10c

PHYSALIS, Chinese Lantern Plant (Perennial) (Illustrated above)

1675 **FRANCHETTI.** 18-24 in. Plants form dense bushes and bear bright, orange-scarlet pods, resembling miniature Chinese lanterns. May be dried and used for winter bouquets. Very attractive when combined with Lunaria. Pkt. 10c

PINKS, see Carnation, Dianthus and Sweet William.

Sow PORTULACA in low border edgings, between stepping stones and in the rock garden. It makes a brilliant floral carpet.



ICELAND POPPY "EMPEROR."
Has silky-textured, fluted flowers of deep tangerine orange.

Brilliant Poppies

ICELAND POPPIES (Nudicaule) Perennial

To brighten the garden, you can make no better choice than the new improved Iceland Poppies. They bear immense flowers with broad, deeply fluted petals, giving a semi-double effect. Bloom freely the first year from seed if sown early.

1707 **THE EMPEROR.** 18 in. Deep tangerine, orange Pkt. 20c
1708 **THE EMPRESS.** 18 in. Shades of salmon and rose-pink Pkt. 20c
1709 **YELLOW WONDER** (Amurensis). An All-America Selection. 24 in. Bright buttercup yellow. Heat and drought resistant Pkt. 20c

ORIENTAL POPPY Perennial

1710 Height 2-3 ft. For gorgeous coloring Oriental Poppies have few rivals among hardy plants. The flowers are often 6 inches across and are borne on tall stems. Produce a magnificent effect Pkt. 10c

ANNUAL POPPIES

1691 **AMERICAN LEGION.** An improved variety of Flanders Poppy. Flowers are a brilliant orange-scarlet of enormous size, on long stout stems. 1/4 oz. 25c; pkt. 10c
1692 **GIANT SHIRLEY** (Silk or Ghost). 1 ft. Beautiful satiny flowers, 4 inches across, with fluted, crinkled petals. Colors contain delicate shades of rose, apricot, salmon-pink and crimson with occasional blues. Foliage is hairy and finely cut. Oz. 30c; pkt. 10c

CALIFORNIA POPPY, see Eschscholtzia, page 52.

TULIP POPPY, see Hunnemannia, page 52.

Salpiglossis

Painted Tongue or Velvet Flower (Annual)

1741 Height 2-2 1/2 ft. Beautiful velvety petunia-like flowers, greatly prized for cutting. They range in color from various shades of purple and blue through red and yellow to creamy white, delicately veined and penciled with gold. Bloom from July to frost. 1/4 oz. 50c; pkt. 10c



Statice
Sea Lavender (Annual)

1769 SINUATA.
Suitable for growing in rock gardens and charming when dried for winter bouquets. The flowers are produced in racemes on long, graceful stems. Colors: rose, blue and white; retains its true colors when dried. 1/4 oz. 25c; pkt. 10c.

Bright New Salvias

Scarlet Sage (Annual)

Handsome summer and autumn-flowering annual with brilliant flowers; very effective for massing, bedding and cutting. Useful also for window box and pot plants.

1745 **SPLENDENS.** 2-3 ft. Plants are much branched with large spikes of bright scarlet flowers produced in profusion during the summer and fall. This is the old favorite bedding variety. 1/4 oz. 75c; pkt. 10c

1746 **FIREBRAND** (Harbinger). 15 in. A true dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. The symmetrical plants are completely covered with long sprays of large brilliant scarlet flowers. Pkt. 20c

1747 **FARINACEA BLUE BEDDER.** 2-3 ft. Long spikes of showy deep blue flowers, splendid for garden display and cutting. Can be dried and used as an everlasting. Seed sown in May will bloom from July to frost. 1/8 oz. 40c; pkt. 10c

SCHIZANTHUS, Butterfly Flower (Annual)

1764 Height 18-24 in. Plants are of bushy luxuriant growth, with delicate finely-cut foliage and exquisite orchid-like flowers in a great range of bright colors, blotched and marked in contrasting shades. One of the daintiest of annuals. Pkt. 10c

SHASTA DAISY, see page 50.

SNAPDRAGON, see Antirrhinum, page 48.

STEVIA (Annual)

1770 **SERRATA.** 2 ft. A fine bouquet mixer. Sprays of small white, sweetly-scented flowers are borne on long slender stalks. Flowers quickly after sowing. Covered with litter or straw plants often survive the winter. Oz. 65c; pkt. 10c

Scabiosa

Pin-cushion Flower (Annual)

Showy in the garden and one of the finest annuals for cutting. Bloom continuously from early summer until frost, in a wide range of rich, beautiful colors. They grow 2 to 3 feet high, with flowers on long slender stems; also known as Mourning Bride.

1750 **ROSETTE.** Rose suffused salmon. Pkt. 25c
1751 **KING OF THE BLACKS.** Reddish-black. 1/4 oz. 30c, pkt. 10c
1752 **HEAVENLY BLUE.** 1940 All-America Bronze Medal Winner. The lovely azure blue flowers are high-crowned and very double. Blooms early and profusely. Pkt. 25c
1755 **FIERY SCARLET.** 1/4 oz. 30c, pkt. 10c
1757 **FINEST MIXED.** 1/4 oz. 30c, pkt. 10c

SCABIOSA CAUCASICA.

Blue Bonnet (Perennial)

1758 **GIANT HYBRIDS.** Height 18-24 in. Handsome hardy plants that thrive in ordinary garden soil. The semi-double flowers are 2 to 3 inches across and are borne on long stout stems; color is an exquisite lavender-blue shading to deep blue. Exceptionally good for cutting. Pkt. 15c

SCARLET RUNNER BEAN

(Annual Climber)

1760 Brilliant scarlet flowers followed by green shell beans excellent for table use. Lb. 30c, 1/2 lb. 17c; pkt. 5c



SALPIGLOSSIS is one of the most richly colored of all garden flowers.

Garden Books

Make a Fine Gift for Your Garden-Minded Friends.

AUDEL'S GARDENERS' AND GROWERS' GUIDE—Four volumes, 1,700 pages, hundreds of illustrations. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Flexible art binding, \$5.35, prepaid. Circular free.

AUDEL'S FLOWER EDUCATOR—Six hundred pages, hundreds of illustrations. Gives successful directions for planting and growing Annuals, Perennials, Bulbs, Shrubs and Fine Lawns. Invaluable to every gardener. Flexible art binding, \$1.50, prepaid.

New Colors in Sweet Peas

Giant Orchid Flowering Spencer

Pink and Rose

1837 DAMASK ROSE. Deep rose, suffused carmine.
 1838 RUFFLED ROSE. Richest pure rose.
 1839 PINK FRILLS. Lovely salmon-pink.
 1844 SMILES. Shrimp-pink, flushed salmon.
 1847 MAYFAIR. Bright clear shell-pink.
 1851 JACK HOBBS. Cream, flushed fiery pink.

Cream and White

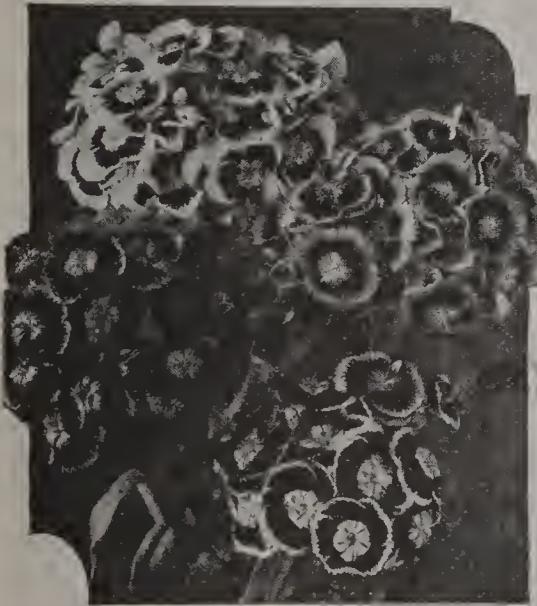
1841 GRAND NATIONAL. Rich cream.
 1848 SEXTET QUEEN. White, 5-6 blooms on stem.

Scarlet and Crimson

1843 RUBICUND. Dazzling crimson-scarlet.
 1846 WELCOME. Deep vivid scarlet.
 1853 JUBILEE. Ruffled scarlet-cerise.
 1857 MAHOGANY. Crimson, overlaid copper.
 1858 CHARMING. Bright cerise with salmon sheen.

Each of the above, pkt. 10c

Your choice, any 3 packets for 25c; any 5 packets for 40c



To have strong, thrifty plants and large flowers, sow seed of SWEET WILLIAM every year.

Sweet William

Dianthus Barbatus (Perennial)

One of our finest hardy garden plants, of easy culture and thriving in any good garden soil. Grow 12 to 18 inches high, with flowers in flat clusters on tall stiff stems.

1890 SINGLE LARGE FLOWERED MIXED. $\frac{1}{2}$ oz. 35c; pkt. 10c
 1891 DOUBLE LARGE FLOWERING MIXED. $\frac{1}{2}$ oz. 50c; pkt. 10c
 1894 PINK BEAUTY. Beautiful salmon-pink. Pkt. 10c
 1895 SCARLET BEAUTY. Intense, brilliant scarlet. Pkt. 10c

SWEET ALYSSUM, see Alyssum, page 48.

SWEET SULTANS, see Centaurea, page 50.

Salmon and Orange

1842 MAVIS. Sunproof salmon-orange.
 1854 TANGERINE IMPROVED. Rich tangerine-orange.

Purple and Lavender

1840 OLYMPIA. A deep, rich purple.
 1845 HIGHLANDER. The finest clear lavender.

Blue

1852 FORTUNE. Rich, dark blue.
 1855 REFLECTION. A clear, delicate blue.

Various Shades

1849 BLACK DIAMOND. Maroon.
 1856 GLORIA. Cream, picotee-edged rose.
 1865 RAINBOW MIXED SPENCER. Giant Waved Spencer varieties in a complete color range. $\frac{1}{4}$ lb. 50c; oz. 25c; pkt. 10c
 1875 EARLY FLOWERING SPENCER MIXED. Come into bloom a month earlier than other sorts. Suitable for garden and greenhouse culture. Mixed colors. Oz. 50c; pkt. 10c



Special Annuals for Fragrance

Alyssum Mignonette
 Candytuft Nicotiana
 Sweet Sultan Scabiosa (mixed)

All 6 Pkts. 50c

PERENNIAL PEA, see page 53.



STOKESIA, Cornflower Aster (Perennial)

1780 CYANEA. 2 ft. One of the choicest flowers for the garden and indispensable for cutting. Plants are much branched and bear freely from July until frost, the handsome lavender-blue flowers which measure from 4 to 5 inches across. Of easy culture, succeeding in any open, sunny position. Pkt. 10c

Sunflower

Helianthus (Annual)

1830 MINIATURE SUNFLOWER. 3-4 ft. Produce flowers in many shades of rose, bronze and orange. Bloom all summer and are useful for cutting. Pkt. 10c
 1831 RED SUNFLOWER. 4-6 ft. Curled petals in various shades of red and orange, beautifully shaded and bordered. Pkt. 10c
 1832 MAMMOTH RUSSIAN. 8-10 ft. Huge flat flower heads grown for the seeds which are fed to parrots, poultry and birds. Planted in the poultry yard the plants furnish shade, and when planted in the vegetable garden the stalks will serve as poles for climbing or pole beans. Large pkt. 5c

Among the oldest and best-loved garden flowers are STOCKS or GILIFLOWERS.

SWEET ROCKET, Dame's Violet (Perennial)

1880 HESPERIS MATRONALIS. 2-8 ft. Hardy herbaceous plants, covered with showy spikes of purple and white flowers. Delicately sweet-scented after sunset. Splendid for cutting. Pkt. 10c

New Verbenas

Giant Hybrid (Annual)

Unsurpassed for massing in large beds. The plants are of low spreading growth and are covered with brilliant flowers from June to frost. Average trusses measure 3½ inches across. Valuable for cutting.

1899 FLORADEALE BEAUTY. Shades from rose-pink to rose-red.....Pkt. 15c

1900 BLUE AND PURPLE SHADES.Pkt. 10c

1907 CRIMSON GLOW. A pure glowing crimson without an eye.....Pkt. 15c

1908 GIANT HYBRID MIXED VERBENAS. This mixture includes shades of blue, lavender, purple, yellow, rose and scarlet. Will provide flowers for cutting all summer ¼ oz. 40c; pkt. 10c

Venidium Fastuosum has brilliant orange flowers→ 4 inches across. Blooms all summer.

"MEXICAN SUNFLOWER"

Tithonia (Annual)

1896 SPECIOSA. 6-8 ft. A rare plant native to Mexico. The flowers are a flaming orange-scarlet, 3-4 inches across. Colorful and effective for tall backgrounds. Seed should be started indoors in April. Pkt. 15c.

TRITOMA, Red-Hot Poker (Annual)

1897 HYBRID MIRABILIS. 2-3 ft. Also known as Torch Lily or Flame Flower. Produces striking orange-scarlet flower spikes from August until frost. Start seed indoors in March and set plants out in May. The roots may be taken up in late fall and stored like Dahlia roots.....Pkt. 15c



Viola Cornuta

Tufted Pansy (Perennial)

Closely related to pansies and violets, Violas make splendid edging plants for the border and rock garden. They are hardy and bloom continuously.

1918 ARKWRIGHT RUBY. Bright ruby crimson, shaded terracotta. Fragrant. Pkt. 20c

1919 FINEST MIXED. Includes lavender, orange, purple, blue and yellow..... ¼ oz. 35c; pkt. 15c



Violas bloom continuously from early spring to frost.

"MONARCH-OF-THE-VELDT"

Venidium Fastuosum (Annual)

1898 Height 2-3 ft. Deep, brilliant orange, daisy-like flowers, 4-5 inches across, with a double row of petals, the upper row having a glossy reddish-brown center. Germinates readily and flowers profusely.Pkt. 20c

WALLFLOWER, Double (Annual)

1920 Height 12-15 in. Suitable for bedding or pot culture. The main spike is covered with double fragrant blossoms of brown and golden yellow. Seed started indoors in February produces flowering plants in July. Mixed colors.....Pkt. 15c

WILD CUCUMBER (Annual Climber)

1925 ECHINOCYSTIS LOBATA. 20 ft. Grows rapidly and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Oz. 35c; pkt. 10c

YUCCA, Adam's Needle (Perennial)

1929 FILAMENTOSA. 3-5 ft. Plants present a striking tropical appearance with their strong sword-like foliage and tall spikes of creamy white flowers. Bloom in July. Very effective in the border and rock garden.....Pkt. 10c



Novelty-Zinnias



Mexicana or Miniature Zinnias (HAAGEANA)

This dainty little Zinnia should be in every garden. Arranged in low bowls for table decoration it makes the daintiest and most attractive bouquets imaginable. Also a splendid rock garden and border plant.

1979 MIXED COLORS. Flowers are double and semi-double. 1½ inches across, and come in a most unusual color range—rose-tipped yellow, maroon-tipped cream, yellow-tipped red. Plants grow 10-15 inches high. ¼ oz. 60c; pkt. 15c

1968 PICOTEE GIANT DOUBLE MIXED. Large double flowers, measuring 4 inches or more in diameter. Colors are: orange, yellow, pink and flesh with edges of petals serrated and tipped with a contrasting color..... ¼ oz. 50c; pkt. 10c

1969 SCABIOSA FLOWERED AUTUMN TINTS. 2½ ft. The flowers of this type are so graceful and easy to arrange that they are unexcelled for cutting. The lovely coloring ranges through all the gorgeous autumn tints, including orange, bronze, russet and red. This new strain is perfect in form of flower and comes true..... ¼ oz. 75c; pkt. 20c

1970 FANTASY. 2½-3 ft. The shaggy ray-like petals of this type resemble the cactus dahlias. The color range includes the brightest shades of red, yellow and orange, as well as pastel pinks and cream..... ¼ oz. 50c; pkt. 10c

1971 LINEARIS. 12 in. A new strain, bearing single flowers of deep golden orange, with a contrasting yellow stripe through each petal. It is early flowering, and if allowed plenty of space, the plants spread over two square feet, without growing taller than ten inches. Flowers profuselyPkt. 20c

The new dwarf Zinnia Linearis with its golden-orange flowers striped lemon-yellow is ideal for edging.

Want To Cover That Sunny, Bare Spot with a Dash of Color? Sow Verbenas—
They Will Bloom from Midsummer to Frost.

Gorgeous Zinnias

A Garden of Zinnias!

All three collections
10 Pkts. 95c
Prepaid

Giant Zinnia Collection

ONE OF EACH:
DAHLIA FLOWERED
SUPER CROWN O' GOLD
DOUBLE PICOTEE all Postpaid

30¢

3
PKTS.

Midget
Zinnia Collection

4. ONE OF EACH:
P K T S Red Riding Hood
Cupid Finest Mixed
Lilliput,
Mexicana

35¢

Giant Dahlia Flowered

Height 3 ft.

Huge, double flowers, often measuring 4 inches in depth and from 4-5 inches across. The petals are broad, and closely imbricated, resembling the show type of Dahlia. Flower in 60 days.

1931 WILL ROGERS. Brilliant scarlet red.
1932 GOLDEN DAWN. Golden yellow.
1933 ILLUMINATION. Striking deep rose.
1934 CRIMSON MONARCH. Rich crimson.
1935 ORIOLE. Au orange and gold bicolor.
1940 GIANT DAHLIA FLOWERED MIXED.
Each of the above, $\frac{1}{4}$ oz. 50c; pkt. 10c.

"AUTUMN TINTS" →
The latest development
in Scabiosa Flowered
type of Zinnia.

Novelty
Zinnias
on
Page 58

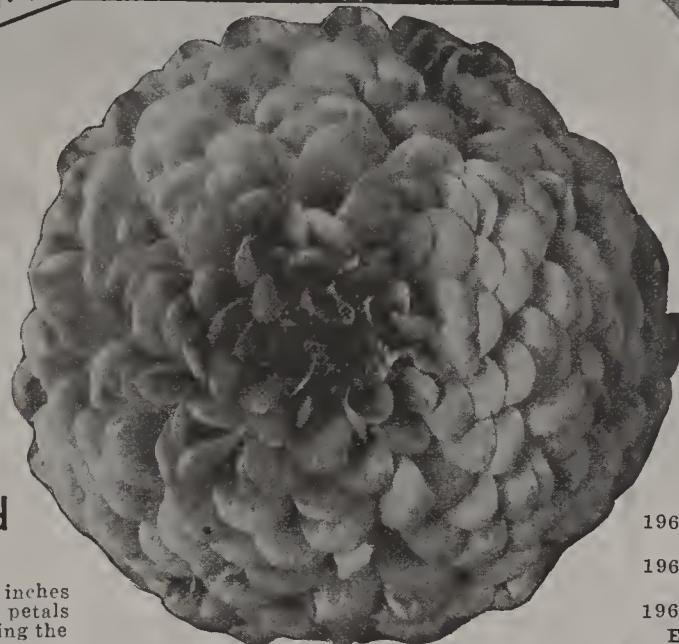
See Page
47 for
Bedding
Plants.

FANTASY →
A cactus-petaled
Zinnia—different
from all other
types—see page
58.

Novelty
Zinnia Collection

SCABIOSA FLOWERED,
FANTASY and LINEARIS

3 PACKETS
one of each 40¢



GIANT DAHLIA
Produces enormous
flowers in brilliant colors.

FLOWERED STRAIN

Super Crown O' Gold

Height 3 ft.

This aristocrat among Zinnias retains its place as an outstanding novelty. The flowers are large, double and well-formed; each petal overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip.

1950 PASTEL TINTS. Includes shades of soft yellow, old gold, pink, peach, salmon and buff. Pkt. 20c.

Zinnias

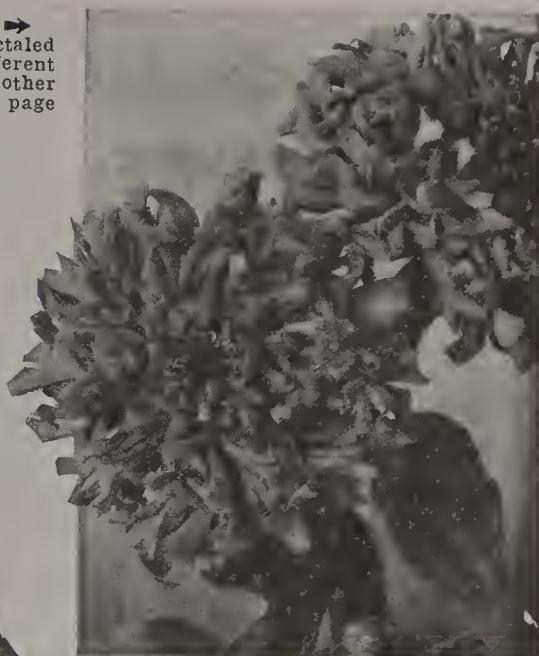
For Bedding and Borders

1974. EARLY WONDER. 15-18 in. Blooms within 30-40 days from sowing. The richly-colored flowers of orange, pink, and red are of medium size, on long wiry stems—excellent for cutting. Plants may be grown close together, there is very little foliage. Pkt. 15c; 2 pkts. 25c.

1975. IMPROVED LILLIPUT OR POMPON. Unsurpassed for bedding and cut flower purposes. The plants form handsome little bushes 12 to 15 inches high, and are literally covered with small, double flowers all summer until frost. Mixed colors. $\frac{1}{4}$ oz. 45c; ptk. 10c.

1976. RED RIDING HOOD. Height 1 ft. Plants are of compact bush form, covered with intense scarlet flowers not over an inch across. Very effective in solid beds, for edging, and excellent for cutting. $\frac{1}{4}$ oz. 45c; ptk. 10c.

1977. PUMILA PICOTEE DELIGHT. 2 ft. Dwarf plants with extra double flowers in a mixture of many attractive shades including salmon, buff, cream, yellow and lavender. Petals are beautifully picoted and ruffled. $\frac{1}{4}$ oz. 60c, ptk. 15c.



California Giants

Height 3-4 ft.

Very large double flowers, averaging 5-6 inches in diameter when in full bloom. Somewhat flat in form, the flowers have a most graceful appearance and are splendid for cutting. Bloom in 60 days.

1960 GRENADIER. Extra fine dark red.
1962 LAVENDER GEM. Clear lavender.
1963 ROSE QUEEN. Rose with deep rose-center.
1964 LEMON QUEEN. Petals canary yellow on upper and cerise on lower side. Fragrant.
1965 CALIFORNIA GIANT MIXED.
Each of the above, $\frac{1}{4}$ oz. 50c; large ptk. 15c.
See Color Illustration on Page 42.

Early
Wonder
is the
earliest
Zinnia
to
bloom.



Cupid Zinnias

The Smallest of All (Height 1 ft.)

Semi-globular flowers, closely imbricated, on long slender stems. As the flowers open, the rounded plants are converted into a mass of color which persists through summer and autumn. Especially adapted as border, bedding, edging and rock garden plants.

1980 TINY TIM. Rich scarlet.
1981 PIXIE. Bright yellow.
1985 CUPID MIXED.

Each of the above, $\frac{1}{4}$ oz. 60c; ptk. 15c.

Early Wonder—A New Race of Dwarf Early Flowering Zinnias, Blooms
Within Forty Days from Sowing.

Page 59

Permanent PASTURE AND Meadow Mixtures

Newest Experiment Station
Recommendations

Most Profitable Grass Combinations

Direct-To-You Prices.

Pastures furnish not only one-half of the total feed for animals, but the only really cheap feed.

The better management and improvement of pastures is one of the most important needs of American agriculture. Well-planned and properly-managed pastures not only provide a large amount of nutrition for livestock, but also serve to keep down weeds.

By the use of pastures, animals harvest their own feed, chores are reduced, the manure is left on the land, animals have a better choice of feed, and gains are cheaper.

All classes of livestock do well on pastures, which are very important to the health of these animals and economy of production.

Combinations or mixtures of suitable pasture plants are generally more desirable than one kind of plant seeded alone. The mixture affords variety, adds palatability and often increases the production per acre. A single grass or legume may fail to make a good stand when others catch well.

Timothy and Alsike Mixture

Permanent and Productive

1. It makes an excellent permanent pasture as both grasses are perennials.
2. It may be grown on slightly acid soil where Red, Sweet Clover or Alfalfa do not thrive.
3. The hay produced is very leafy, of fine quality and richer in protein than Timothy alone.
4. More tons per acre can be produced.
5. Fertility will be added to the soil through the Alsike, and the Timothy will grow much better as a result.
6. All classes of livestock like the hay.
7. Good returns may be expected on uplands as well as lowlands.
8. Timothy and Alsike mixed will produce more feed per acre than if two separate fields of Timothy and Alsike were grown for hay and mixed.
9. More seed is produced per acre than from two separate fields of Timothy and Alsike. This allows us to make a lower seed price to the farmer than if he bought Timothy and Alsike seed separately and mixed them.

We offer two mixtures of Timothy and Alsike. One contains 20% to 25% Alsike, and is a very popular mixture, grown to a great extent. For those who wish a larger percentage of Alsike, we supply a mixture having 30% to 35% Alsike. This mixture has become popular and is in as big demand as the 20% to 25% mixture. Sow about 12 lbs. of either mixture to the acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For prices on larger quantities, see Blue Figure Price List.

October 31, 1939.

On five acres of alfalfa that was broken up this spring, I drilled my corn six to eight inches apart and received 120 bushels per acre from the Wisconsin 100-Day Hybrid I bought of you. The largest crop of corn I ever raised Master Hybrid Corn is true to name and I will plant only your hybrids next year. A lot of people examined my field of corn which beat any kind of corn raised in this community. I am sending you my corn order for next year.

Charles Haag, Howard Lake, Minn.



Grass Mixtures Provide Variety, Palatability and Increased Nutrition.

New Brome-Alfalfa Mixture

The Talk of Experiment Stations

This mixture contains approximately 30% Brome Grass, 25% Alfalfa, 25% Sweet Clover and 20% Timothy. It is highly recommended by the Minnesota, Wisconsin, Iowa, Illinois, Ohio and Michigan Agricultural Experiment Stations, and has proven to be an excellent rotation combination. For one to two years it produces a hay crop, after which it can be pastured—the brome and alfalfa continuing to produce.

Increased hay production of 30% to 40% over brome grass sown alone is generally noted. The alfalfa supplies nitratin for the brome grass, keeping it very productive, and avoiding a sod-bound condition. Brome grass in turn provides winter covering for the alfalfa.

In this ideal combination, brome grass has shown a 20% to 30% greater protein content than is sown alone, with a tendency to prevent blue grass and annual weeds from coming in.

Sow about 20 lbs. of seed per acre, on a well prepared seed bed, using a grass seed attachment to your grain drill—or broadcast it. Seed may be mixed with sand or soil to give even distribution. Ask for special circular.

Price: Lb. 35c prepaid.—Not prepaid, 10 lbs. \$2.75. See Blue Figure Price List.

Mixture For Low Wet Ground

For land that is occasionally overflowed. This pasture and meadow mixture contains grasses that withstand overflowing of the land without being drowned out. The following mixture has proved most satisfactory for this purpose: Red Top, Timothy, Alsike, Brome Grass, Domestic Rye Grass and Reed Canary Grass, mixed in the proper proportions. After a few seasons, the Red Top, Brome Grass and Reed Canary Grass will predominate, giving you a permanent pasture or meadow that will yield many tons of hay having high feeding value.

Sow 20 to 25 lbs. per acre. For top seeding, sow 10 to 15 lbs. per acre. Price: Lb. 35c, prepaid. Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for larger quantities.

Brome-Crested Wheat Grass Mixture

Contains approximately 30% Brome Grass, 25% Crested Wheat, 25% Alfalfa and 20% Sweet Clover, properly blended.

This mixture has been found the most drought resistant of all grasses and is recommended by the Minnesota Experiment Station.

It is well suited for a long rotation, giving luxuriant pasture—appetizing and rich in protein, minerals and vitamins.

Sow at the rate of 20 lbs. per acre, in same manner as Brome-Alfalfa Mixture.

Price: Lb. 35c, prepaid.—Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List.

All Season Pasture and Meadow Mixture

For all soils except low, wet ground. We offer this special pasture and meadow mixture designed to supply hay or grazing throughout the entire season. This mixture is made up of hardy, strong-rooted grasses and clovers which will resist the extremes of our cold northern winters and hot, dry summers, also endure close pasturing.

Pasture and hay lands, when used for feeding livestock, have shown more profits than most other kinds of crops. In the government program to curtail production of grains and corn, pasture and hay combinations are recommended to be planted on those acres which otherwise would be idle. In the past there has always been a shortage of high quality hay in many sections of the country and it will be many years before an oversupply can be produced.

This All Season Mixture includes Kentucky Blue Grass, Timothy, Red Top, Alsike, Red Clover, Brome Grass, Meadow Fescue, and Domestic Rye Grass in proper proportions. Sow at the rate of 20 to 25 lbs. per acre. Price: Lb. 35c, prepaid. Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for larger quantities.

Permanent Hog Pasture Mixture

Permanent Hog Pasture Mixture contains the following mixed in the right proportion to produce the greatest feeding value:

Alfalfa.

Red Clover.

Alsike Clover.

Sweet Clover.

Meadow Fescue.

Domestic Rye Grass.

Bromus Inermis.

Timothy.

This mixture can be sown any time, from early spring until midsummer, and does not require any particular kind of soil, in fact, any soil that produces crops of small grain or corn, will answer the purpose. Because of the large amount of clover and alfalfa it contains, it serves the double purpose of providing the hogs with pasture of high feeding value, and building up the soil at the same time. Sow 25 lbs. per acre. Price: Lb. 35c, prepaid.—10 lbs. for \$2.75, not prepaid. See Blue Figure Price List.

Annual Hog Pasture Mixture

ONE ACRE ENOUGH FOR 40 SPRING PIGS
OR 20 OLDER HOGS

This mixture will develop young pigs rapidly, and produce pork at a minimum cost. It contains all the necessary body and bone building elements, and will prove much more economical than the use of corn, grain and mill feed throughout the year. A good pasture of legumes, grasses and grains, will keep hogs in healthy condition, fatten them quickly, so that but little corn is required to finish them off. Contains Amber Cane, Vetches, Field Peas, Barley, Rye, Oats, Dwarf Essex Rape and Sudan Grass.

Sow at the rate of 60 to 75 lbs. per acre. Price: See Blue Figure Price List.



HARDY GRASSES



All Leading Farm Papers Are Boosting
Crested Wheat Grass.

CRESTED WHEAT GRASS

The Ideal Dry Land Pasture Grass

Crested Wheat Grass is a hardy, drought-resistant perennial bunch grass. It has a longer productive period than Slender Wheat Grass or *Bromus Inermis*. Studies conducted at the Minnesota Experiment Station by H. K. Schultz and H. K. Hayes under artificial and natural conditions showed that crested wheat grass and brome grass are the most drought-resistant grasses. Alfalfa was found to be the most drought-resistant of the legumes.

Probably due to its extensive root system which permits storage of abundant food reserves and ready utilization of water, Crested Wheat Grass makes an early and rapid growth. It has a tendency to become dormant during an extremely hot dry period, but resumes its growth in early fall, continuing until late in the season. It grows at low temperatures and is able to utilize the soil moisture and to check the growth of other grasses and weeds where the moisture supply is limited. In the semi-arid regions—Kansas, Nebraska, Montana, Wyoming and the Dakotas, this grass does best, although it appears to do well anywhere. When used as pasture for sheep, no matter how badly it has been subjected to use, it comes right up again.

Seed Production Profitable

Crested Wheat Grass produces 400 lbs. of seed per acre grown under dry conditions on fields two or more years old. Any good field will produce 200 to 300 lbs. per acre. There is a great demand for seed.

Sow 10 to 12 lbs. of seed to the acre. After obtaining a good stand, no cultivation is necessary, as it will choke out all weeds. Harvest it once a year. Price: Lb. 35c, 5 lbs. \$1.50, postpaid. See Blue Figure Price List.

BROMUS INERMIS

Becoming increasingly important as a hardy hay and pasture grass and in combination with other grasses. Also called Smooth Brome Grass.

Bromus is a vigorous, hardy perennial with strong, creeping roots. It makes excellent hay and pasture on poor, dry soil or on moist, low ground that is flooded at times. It may be sown on hillsides, terraces and levees to keep the soil from being washed away. It makes an early growth, two to three weeks before any other grass, and remains green until November. It will stand close cropping.

It grows 3 to 4 feet high, yielding large crops of palatable hay, 2 to 4 tons per acre. Cut for hay when in full bloom. It is also a profitable seed crop.

Sow at the rate of 20 to 25 pounds per acre with one-half the usual quantity of small grain. Price: Lb. 35c, 5 lbs. \$1.40, postpaid. For larger quantities see Blue Figure Price List.

REED CANARY

(*Phalaris arundinacea*)

The Peat and Swamp Land Wonder Grass

Reed Canary Grass has reclaimed many worthless swamps and is making real profits for hundreds of farmers. It is especially adapted to boggy soils, swamps and marshes.

It has been grown in central Minnesota for about 30 years.

How To Grow the Crop

Prepare a good seed bed. Fall plowing allows early spring seeding. The seed will germinate in water, but if covered by soil underneath the water, it will not grow until the water is drained off.

Reed Canary Grass responds readily to planting with a companion crop such as Flax, small grains, Timothy or *Bromus*. A companion crop will hold the weeds in check and will shade the ground, keeping it from drying out so quickly. Thus, the Reed Canary Seedlings, which grow slowly until fully established, are protected. After Reed Canary Grass is past the seedling stage it grows very rapidly, crowding out all other grasses and weeds.

Four to Six Tons of Hay Per Acre

Such yields are not unusual. The hay has high feeding value and is eagerly consumed by all livestock. One acre will pasture three to four dairy cows throughout the season.

A Hardy Perennial Grass

Reed Canary Grass is a perennial and will thrive until broken up. The plants are cold resistant—both as seedlings and in the mature stages. It is not a dangerous grass like Quack, but can be easily controlled by plowing. This grass grows rapidly, beginning early in the spring. The heads appear about the first week in June and are ripe about four weeks later. Leaves are broad, light green in color, and the plants often grow five to six feet in height. The underground stems rapidly form a tough sod that will hold up hay-making machinery.

Reed Canary Grass will produce an abundance of pasture from early spring until fall. It should be kept grazed very close except in the fall. For hay, cut when the heads begin to appear as the grass contains the highest feeding value and is finest at this stage.



After Harvesting Reed Canary Seed, a Hay Crop Can Be Cut Immediately.

Rate of Seeding

Sow any one of the following companion crops with Reed Canary Grass: flax at the rate of 35 to 42 lbs. per acre—small grains at one-half the regular rate. Timothy or *Bromus* broadcast at the rate of 4 to 5 lbs. per acre.

Sow the seed in the spring as early as possible so that the seedlings may become well established before the weeds begin to grow. On very weedy land, seed late in June or early in July, discing your land up to this time in order to kill the weeds. Seed in August or in October if there is any difficulty in getting onto your land in the spring. The seed should be sown at the following rate—broadcast, 5 to 6 lbs. per acre; drilled, 2 to 3 lbs. per acre in 16 to 18-inch rows. Use a planter on peat after seeding. Price: See Blue Figure List. Lb. 35c, 5 lbs. \$1.60, ppd.

RED TOP

A hardy perennial grass found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 feet high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. Grows best with other grasses and clover. Price: Lb. 30c, 5 lbs. \$1.30, postpaid.

For larger quantities see Blue Figure Price List.

TIMOTHY

A hardy perennial resistant to both cold and drought—it is best adapted for sowing with Clovers which supply nitrogen to the soil and increase the vigor of the Timothy. It may also be sown with grains as a nurse crop. The soil must be well pulverized and the seed slightly covered. Do not cut too early or pasture too late in the fall after the hay is cut. Timothy produces 1 1/2 to 3 tons of hay per acre and should be cut at flowering time. Sow 15 to 20 pounds per acre alone; with Clover, 10 to 12 pounds per acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. See Blue Figure Price List.

DOMESTIC RYE GRASS

This grass is well adapted for pastures, meadows and lawn, as it endures close cropping and makes a dense, leafy undergrowth. It thrives almost everywhere but grows best in moist moderately rich soil. Sow 20 to 30 pounds per acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For larger quantities see Blue Figure Price List.

MEADOW FESCUE

This hardy western grass stands more abuse than Timothy and other grasses and will stand close cropping, drought and unfavorable soil conditions. Meadow Fescue grows two to three feet high and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: Lb. 35c, 5 lbs. \$1.40, postpaid. For larger quantities see Blue Figure Price List.

KENTUCKY BLUE GRASS

This famous grass does well almost everywhere on soil that is fairly rich, moist and moderately well drained. Blue Grass is the best of all grasses for lawns. See Blue Figure Price List.

CREEPING BENT GRASS

This grass makes a fine, dense, firm turf which withstands hard usage; it is ideal for lawns, terraces, and putting greens on golf courses. See Blue Figure Price List.

HARDY NORTHERN GROWN ALFALFA

Ralph F. Crim, Extension Agronomist, and W. R. Kuehn, Inspector U. S. Seed Verification Service, both state that in their opinion hardy Minnesota or Montana Grown Variegated Alfalfa must be at least 95% Grimm, or it could not have withstood these rigorous climates during the past years. For the past quarter century, we have featured these strains, and they are the most dependable that money can buy.

We emphasize the importance of knowing where your Alfalfa and other Grass Seeds were grown. Cheaper, unadapted seeds should be avoided because they are more expensive in the long run, and not sufficiently hardy to withstand the northern winters.

Alfalfa Seed obtained from growers or shippers should be identified by the verified origin tags—this is your protection against mixtures, blends and unadapted seed.

As Verified Origin Seedsmen, any Alfalfas that we send you will be sealed and tagged, either with U. S. Verified Origin Certificates, or with certificate seal from the state in which it is grown.

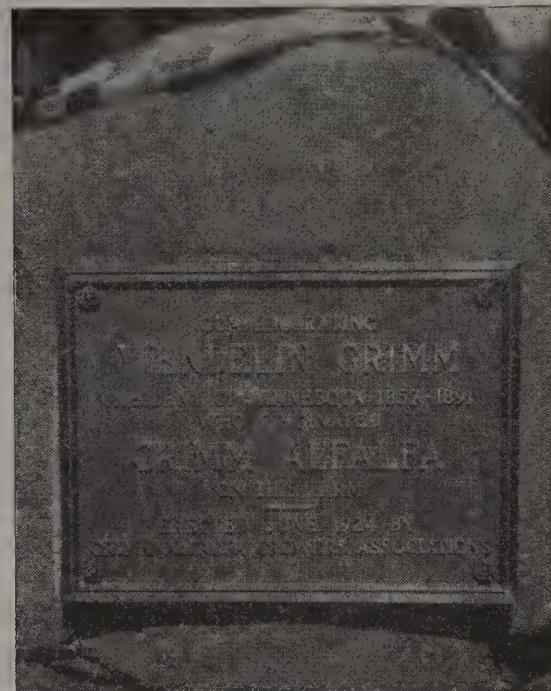
Personal Note—

If you ask me what is the greatest value for the money in hardy, dependable Alfalfa Seed, suitable for all sections of the country and free from noxious weeds, I do not hesitate to say—it's our Variegated Alfalfa from northern Minnesota and Montana. I have watched its performance for 30 years and know the satisfaction it has given thousands of customers.

N. C. Bieter, Mgr. Farm Seed Dept.



THIS TAG
ON EVERY
BAG FOR
YOUR
PROTECTION



The Grimm Monument in Carver County, Minn.
Where Grimm Alfalfa Originated.

VARIEGATED ALFALFA

From Old Time Unregistered
Grimm Fields

Equal to Registered Grimm for hardiness and hay production, and offered at a great saving in price.

Variegated Alfalfa is of a type very similar to Grimm, with blossoms having a color range of white, yellow and purple. It is considered of the same origin as Grimm but no definite records have been kept, and the fields therefore cannot qualify for registration. It has shown itself to be completely hardy in the most severe climates of Minnesota, Dakotas and Montana, and can be recommended as being very desirable for seeding in any part of the northern United States, where winter hardiness is essential. Lb. 45c, postpaid. See Blue Figure Price List.

COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, under observance for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy.

In recent years, the demand for Cossack has been increasing and there never has been sufficient seed to take care of all requirements.

Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm.

Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. We advise sowing 15 lbs. per acre. Price: Per lb. 50c, postpaid. See Blue Figure Price List.

LADAK ALFALFA—Wilt and Drought Resistant

Introduced in the U. S. in 1910 from the mountain regions of northern India by the U. S. Department of Agriculture. It was planted at Havre, Montana, in 1916 and showed no winterkilling for more than ten years. When it was distributed in small quantities, Ladak immediately proved so outstanding that its rapid distribution was assured. Other varieties of Alfalfa could not compete with it for winter hardiness.

Ladak is highly resistant to the wilt disease which has been causing such great losses in the hay-producing sections. It produces a larger first cutting than any other Alfalfa and this means a larger tonnage per acre under all conditions.

It is particularly well adapted to regions where only one or two crops are produced each year because of short growing seasons or where hot, dry summers prevail. Ladak continues to grow and produces a good crop of hay when other varieties are practically at a standstill. The hay is very leafy and of high feeding value and is of exceptionally high quality.

Ladak has a large branching root system similar to that of Grimm or Cossack. Seed supply very limited.

Price: Lb. 60c, 5 lbs. \$2.75, postpaid. For larger quantities see Blue Figure Price List. Write for special free circular on Ladak Alfalfa.

Northern Seed is Your Best Alfalfa Life Insurance.

GRIMM ALFALFA

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. It is a very hardy, time-tried variety, and has been tested thoroughly throughout the United States, in many foreign countries and Canada. It has many lateral or branching roots which are not found in common Alfalfas, and has large spreading crowns. It appears to grow better where there is a hardpan subsoil to contend with than many other varieties. The root system undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than varieties having only a single taproot. The blossoms are variegated from white and yellow to deep purple.

Grimm Alfalfa produced in Minnesota, the Dakotas, Montana and Idaho, is known to be very hardy. Our Minnesota Grimm is produced largely in Lake of the Woods County, near the Canadian Border. Montana or Idaho Grimm is grown in the dryland areas and is able to withstand severe drought as well as cold. Therefore, the strains of the Grimm Alfalfa that we offer, will give you complete satisfaction. Price: Lb. 50c, postpaid. See Blue Figure Price List for Larger Quantities.

Common Alfalfa DAKOTA NO. 12

The old dependable strain Minnesota-Dakota-Montana grown.

This is the most commonly grown variety in Minn., Dakota and Montana. It has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa many years and the plants which endure the extremes of hot summers, severe winters and dry, high altitudes are thoroughly hardy. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. The performance of this variety has made it extremely popular in southern Minnesota, Iowa, Illinois, and other states in the Mid-west and East. Price: Lb. 45c, postpaid. See Blue Figure Price List.

Valuable Alfalfa Booklets Free With Your Order If Requested

Again There are Cash Benefits for Complying with the 1940 Soil Conservation Program

Extra Pay for Knowing What to Plant

The Agricultural Adjustment Administration has announced its 1940 Soil Conservation Program under which farmers can receive money from the government by carrying out approved farm practices.

The 1940 goal will be divided among various crops and then allotted to farmers. Growers may comply with, or ignore their allotments, but in order to be eligible for maximum subsidy payments, they must comply. In addition, they must plant land diverted from soil depleting

crops to those classed as soil building, such as Clovers, Alfalfas and other legumes and pasture crops.

Again Flax will not be treated as a soil depleting crop when used as a nurse crop for biennial or perennial legumes or perennial grasses.

Goals will be set for each farm before planting time next spring. Each farmer will have a soil depleting goal and a

soil building goal. Farmers will again receive benefit payments and parity payments in 1940. They will also receive credit for conservation payments on their garden plots.

See your County Agent or County Agricultural Conservation Committee for full particulars.

While most commodities have advanced in price, we still offer Master Farmer Seeds at lowest direct-to-you prices. Red Clover is exceptionally reasonable in price, and the quality was never finer. Prices may have to be advanced later as stocks are replaced at higher cost. It is advisable therefore to place orders early.

A down payment of 25% of the amount of your order will hold the seed you want until planting time, when the balance may be paid.



MINNESOTA GROWN CLOVER SEED

Only Northern Grown Clovers can be depended upon for Hardiness

There is much complaint of worn-out soils, weeds and unprofitable crops coming from those who once secured bountiful yields and satisfactory profits when the land was new. Those who have used Clover regularly in the cropping system have no such complaints. Some kind of Clovers may be grown in practically every part of the United States. They have beneficial action on the soil and may be seeded with practically all kinds of grains. Clovers also serve as outstanding hay and pasture crops.

MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase the yield of succeeding crops, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general northwest conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills and cover it lightly with a harrow. Price: Lb. 35c, postpaid. See Blue Figure Price List.



MAMMOTH RED CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fail. Yields again as much as Medium Red Clover, though the hay is rather coarse. Price: Lb. 35c, postpaid.

See Blue Figure Price List for Quotations on All Farm Seeds.

WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: Lb. 65c, 5 lbs. \$3.00, prepaid. See Blue Figure Price List.

Your Money Can Buy No Finer Seed Than Master Farmer Red Clover.

Clovers are an important factor in soil renovation through maintaining or increasing in the soil the supply of vegetable matter and the supply of nitrogen.

Clovers have a heavier root system that leaves vegetable matter and fertility in the soil when it dies or when plowed under. Clover should be cut for hay as soon as the first blossoms begin to turn brown. This will result in the greatest yield of palatable hay.

ALSIKE CLOVER

Alsike Clover has the same soil-building properties as Red Clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It makes very fine pasture, as it is extremely hardy.

The seed of Alsike is very fine, therefore, only 7 or 8 pounds per acre are required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. Price: Lb. 35c, postpaid. See Blue Figure Price List.

Test Your Own Soil WITH SOILTEX

Success with alfalfa, clover, sweet clover, soy beans, and other legumes, depends largely upon the condition of your soil. If it contains acid, you cannot expect a good stand.

To correct acid soil condition, crushed lime rock may be spread on the land, at the rate of 1 1/2 to 4 tons per acre.

SOILTEX enables you to determine if your soil needs lime, and how much. The test is very simple. A small quantity of soil is placed on wax paper folded lengthwise, and the Soiltex solution dropped on one end of the soil until it is saturated. After standing a short time, the solution is drawn from the other end of the soil, and its color compared with the color chart, to determine the reaction and lime requirement. Directions with each outfit, and material for 100 tests.

SOILTEX outfits are being used in agricultural colleges, by county agents, extension workers and farmers. Price: \$1.00, postpaid.

Sweet Clover for Forage and Fertility



White Blossom

Tall Biennial Sweet Clover.

This makes the rankest, tallest growth of any clover, producing the biggest hay crops and most luxuriant pastures. Because of its dense growth and the great size of its root system, it is the best soil enricher and green fertilizer. It is the best crop to grow to prepare the ground for a stand of alfalfa.

The plant looks much like alfalfa, especially when young, but the leaves are not quite as smooth, and taste slightly bitter. It forms a main stem from which the side branches grow, while in alfalfa the crown sends up numerous shoots.

Our seed is of fine quality, free from foul weed seeds, and of highest germination. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

Yellow Blossom

Dwarf Biennial Sweet Clover.

This variety grows shorter and is finer and more spreading than the white. It makes a very fine quality hay and pasture. Yellow Blossom Sweet Clover is 10 to 15 days earlier in maturing its seed, and where seasons are very short or unfavorable, there is an advantage in sowing this strain.

It can be cut for hay very early, and close to the ground, whereas the white must be cut high. It is also excellent for bees, supplementing the use of the white variety, and extending the season, on account of its earliness. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

Grundy County

Dwarf Biennial Sweet Clover.

Grundy County Sweet Clover is preferred by many farmers since it does not grow quite as tall as the common White Blossom variety and it produces finer stems and a greater number of leaves, making it better adapted for hay purposes.

It matures earlier so that the hay crop can be cut before the small grain is harvested.

It produces a seed crop earlier than other varieties and this is an advantage in many localities that are subjected to early frosts. The hay cures more rapidly than the common tall variety and is very palatable.

Grundy County Sweet Clover makes an excellent pasture but it does not last as late in the season as the common tall variety. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

Hubam

Annual Sweet Clover.

Hubam is an emergency pasture and hay crop to be sown in seasons where drought, freezing injury or other adverse conditions have wiped out pastures and meadows, leaving the farmers without any definite hay prospects. Hubam is a rapid grower and once it is well established can be pastured as you would pasture the biennial varieties of Sweet Clover.

Hubam is an Annual Sweet Clover. It is best suited for the Corn Belt section. It grows from 3 to 7 ft. high. It will produce as much as 3 tons of hay per acre, cut just before blossoming time. It grows on any good non-acid soil, and should be sown alone the same rate as other sweet clovers. Hubam will produce a seed crop in this latitude, in favorable growing seasons. Price: Lb. 40c, 5 lbs. \$1.80, postpaid. See Blue Figure Price List.

Free Sweet Clover Booklet with your order on request.

Legume crops such as Sweet Clover will be in greater demand than ever before because of increased plantings for the maintenance of fertility under the U. S. Soil Conservation Program. Sweet Clover cannot be surpassed for soil improvement due to its rapidity of growth, large tonnage produced and its comparatively low seed cost.

Sweet Clover as a Hay or Pasture Crop

Sweet Clover is a leading crop in the United States. As a biennial legume, it fits in with any crop rotation, besides yielding a very large return of hay and pasture. Sweet Clover may grow one to three feet the first season and may be clipped for hay or pastured lightly if it makes a good growth. During the second year it grows very dense and rapidly and if cut for hay, it should be done early in the season, before the blossoms appear and the stems become woody.

Cut Sweet Clover six to eight inches above the ground. Allow the hay to wilt a few hours, then place in small cocks until it is dry enough to stack. One acre furnishes pasture for two to four cows throughout the season. Cattle rarely bloat on it.

As a Soil Builder and Weed Control

Sweet Clover grows on clay, sandy, alkaline, or gumbo soil. It prevents drifting of shifting sandy soils. The hardpan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc.

Use 15 lbs. of scarified seed per acre with a nurse crop of one-half the usual seeding of grain or 28 to 35 lbs. of flax per acre. Firm the seed bed well after planting. Inoculate with Nitragin.

What some of our customers have to say

F. S. N. Co.

We have very much appreciated the prompt personal service your firm has always given us, and hope to send you many more orders. I wonder if you realize that the personal note of your catalog and letters makes many of us isolated farmers feel as if we had friends in Faribault—more so than many other equally good seed firms.

Good luck to you—

Mrs. Lester Grandine.

Forest Co., Wisc.
May 12, 1939

F. S. N. Co.

I wish to include a few lines with this order, and thank you for the good seed and fruit trees which we have received from you the past six years.

Our Chinese Elms are five years old, and the admiration of all who see them. Their shape and growth is splendid. And our Dolgo Crab Tree has its fruit on display at the Minnesota State Fair each year.

Our Ideal Corn filled a silo 12 x 24 ft. last fall from 3 1/4 acres and we could not crowd it all in, in two fillings.

The Golden King Corn also gave a heavy yield, planted in squares, and was fully ripe early in September.

Wishing you success, I remain,

Yours truly,
Mrs. Emil Johnson, R. 1

Marshall Co., Minn.
June 1, 1939

F. S. N. Co.

I ordered 12 lbs. of Vi-Vita Superior Wheat Germ and 12 lbs. of Soy Breakfast Meat Cracks.

These foods are better than cheap oat meal, and I need some good food because I am digging all stones on my field. My alfalfa is in fine shape now—40 acres of Cossack, all from Registered Blue Tag Seed, and 20 acres of Grimm. I seeded 17 acres more this spring.

Enoch Anderson.

Jo Daviess Co., Ill.
March 23, 1939

F. S. N. Co.

Permit me to compliment you on what I consider the very finest line of seeds and nursery stock on the market—namely Farmer. As far as choice varieties and dependability are concerned, your garden seeds are very distinctly outstanding, and in a class by themselves. For many years I have taken every occasion to heartily recommend your seeds in my work as a teacher.

Paul C. Potratz,
Mt. Juliette School

Government Rule for Measuring Hay.

Multiply width by length by overthrow, divide by four. Result will be cubic feet in stack. Divide by 512. Answer will be tons.

Things Worth Knowing

To Measure Grain in Bins.

To find the number of bushels of grain in a bin, multiply the length by the width by the height, thus ascertaining the number of cubic feet, and deduct one-fifth. For instance, a bin containing 10 cubic feet will hold 8 bushels of grain, 8 being four-fifths of 10.



BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist humus culture—tested and guaranteed—easy to apply—packed with Billions of fresh bacteria—the cheapest legume crop insurance money can buy. Directions on every can.

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size	Retail	Size	Retail
1/2 bu. ea.....	\$.30	1 bu. ea.....	\$.30
1 bu. ea.....	.50	2 bu. ea.....	.50
2 1/2 bu. ea.....	1.00	5 bu. ea.....	1.00

PEAS (All Varieties)

VETCHES (All Varieties)

1/2 bu. ea.....	\$.25	1 bu. ea.....	\$.30
1 bu. ea.....	.40	2 bu. ea.....	.50
1 1/2 bu. ea.....	.60	5 bu. ea.....	1.00
5 bu. ea.....	1.70	10 bu. ea.....	1.40
12 1/2 bu. ea.....	4.00	25 bu. ea.....	2.90

BEANS

String, Wax, Kidney

1/2 bu. ea.....	\$.25	1 bu. ea.....	\$.30
1 bu. ea.....	.40	2 bu. ea.....	.50
5 bu. ea.....	.60	5 bu. ea.....	1.00

GARDEN SIZE

Garden Peas and Beans

Sweet Peas and Lupines	Enough for 6 lbs. seed
Retail Price 10c each.	Retail Price 10c each.

Sweet Peas and Lupines

Enough for 6 lbs. seed

Retail Price 10c each.

NITRAGIN—Oldest and Most Widely Used Inoculator in America

1940 Predictions for Agriculture

Farm income during 1940 will total between $8\frac{3}{4}$ and 9 billion dollars, an 8-10% gain over 1939. Crop prices will average higher next year, but livestock prices will probably be about the same as in 1939. Uncertainty over war makes it improbable that production will be stimulated greatly. Government payments to farmers will about equal those in 1939. Farm land values should rise moderately. Farmer purchasing power will be 7-8% higher than in the past year. These predictions were made by United Business Service and are usually quite accurate.

Agricultural Research Has Put Millions of Dollars Into The Farmers' Pockets

Farmers today are benefiting from research in their everyday operations, without realizing the source of their information.

The adoption of improved practices and use of new superior varieties influence not only the farmer, but individuals in all walks of life. Crop yields, high quality, and resulting farm income, tends to become more stabilized, and consequently bring greater farm prosperity to the Northwest.

The benefits of agricultural research cannot be accurately measured in dollars and cents. However, it is conservative to state that the services of Dr. H. K. Hayes, Chief of the Division of Agronomy and Plant Genetics, University of Minnesota and his superb staff of scientists, have made possible many millions of dollars of added income, not only for farmers, but for the entire state of Minnesota.

The per cent increase of the new varieties over the old varieties for the state of Minnesota during the five-year period, 1934-1938, is approximately as follows, based on Experiment Station trials:

Crop, and New Variety	Increase of New Over Old
Spring wheat—Thatcher	42%
Oats—Gopher, Anthony and Minrus	14%
Barley—Wisconsin No. 38 and Velvet	25%
Flax—Red Wing and Bison	30% (Very conservatively estimated.)
Corn—Minhybrid 301, Minhybrid 401, Minhybrid 402 and Minhybrid 403	15%

The above data was obtained through Dr. H. K. Hayes, Chief, Division of Agronomy, and Dr. F. R. Immer, Associate Professor of Plant Genetics, University of Minnesota.

SPRING RYE

Spring Rye should be sown more extensively. It is a great land cleaner, and for summer pasture, is much superior to winter rye. It can be grown on light and sandy soil, on land too poor for wheat, and does equally well on acid and non-acid soils.

For Prices: See Blue Figure Price List.

MINTURKI WINTER WHEAT

Minturki is the outstanding hardy winter wheat. It is a high yielding bearded hard red winter variety of high milling and baking quality and good protein content. It is stiff strawed and stands up well on rich land.

For Prices: See Blue Figure Price List.

Treat Seed Grains to Prevent Smut

All seed grains including wheat, barley, oats, rye and sorghum are susceptible to smuts of various kinds which reduce the yields from 10% to 50% in many instances. Some varieties are attacked more vigorously than others, but no matter how susceptible the variety may be to smut, it can be controlled almost entirely by simple methods. Formaldehyde and Copper-carbonate have been used extensively in the past for treating smut in grains, with only fair to good results.

The Best Treatment To Use Is New Improved Ceresan

New improved Ceresan is a dust treatment—no wet, swollen grain to handle. It may be applied with a regular seed



Price of Ceresan: 4 oz. 30c, 1-lb. tin 80c, postpaid; not prepaid, 5-lb. tin \$3.25. Ask for circular giving full details.

Quality Seed Grain

Our Superior Varieties Pay



Rust resistance, high yielding ability, good milling qualities make Thatcher Wheat outstanding.

The milling trade demands the production of more and better wheat. By using high quality, superior, rust resistant varieties which are recommended by the Experiment Stations, farmers may grow more wheat on fewer acres and thereby lower their unit cost of production. Farmers can thereby co-operate with the Agricultural Adjustment Administration and acres taken out of production can be planted to soil building crops.

Wheat Germ

The heart of the wheat is of great medicinal value—very rich in vitamins and minerals—high in protein and low in starch. See page 80.

"THATCHER" RUST-RESISTANT WHEAT Holds First Place in Minnesota

Thatcher Wheat was produced through co-operation between the Minnesota Agricultural Experiment Station and the United States Department of Agriculture from a double cross of (Marquis x Iumillo) x (Kanred x Marquis).

It is beardless, hard, red spring wheat which over many years of extensive trial has consistently demonstrated its superior qualities in high yield, very stiff straw, and outstanding resistance to stem rust. Its milling and baking properties have been tested in the United States and abroad, and it has received universal acceptance as high quality wheat.

Many new rust resistant spring wheats have appeared recently and are now available for commercial production. The Minnesota Experiment Station, after testing these varieties in comparison with Thatcher, is still recommending Thatcher as the only rust resistant wheat for Minnesota.

At the present time Thatcher Wheat is the only accepted rust resistant variety of spring wheat recommended by the Northwest Crop Improvement Association. This organization is supported by the grain, milling, and malting industries. Its object is to improve the quality and increase the yield per acre of all cereal crops in areas tributary to Minneapolis and Duluth terminal markets. For prices—see Blue Figure List.

ROSEN WINTER RYE

Rosen became popular because of its excellent yielding ability and milling qualities. It produces large well-filled heads and large dark green kernels.

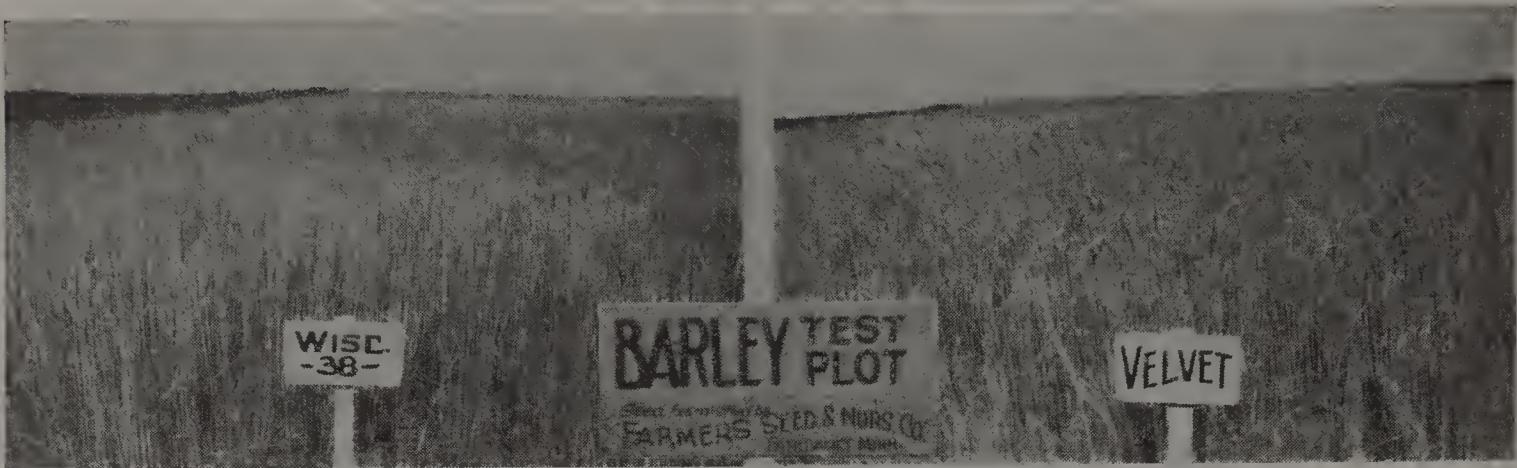
Rosen Rye is more hardy than the hardest Winter Wheat. The straw is medium tall and stiff, which keeps the grain from being easily lodged. The variety has produced as much as 40 to 50 bushels per acre. See Blue Figure List.

treating machine or with a scoop shovel. A measuring spoon will be found in each can.

The grain produced has a higher market value because it is free from smut. Only one-half ounce of New Improved Ceresan is needed per bu. of seed. It is quickly and easily applied as a dust by use of a rotary seed treating machine or by the shovel method. After treating, the seed should be stored in a pile or in sacks for 24 hours before planting.

New Improved Ceresan controls stinking smut of wheat, loose and covered smut of oats, black loose smut and stripe in barley. Ceresan is inexpensive, costing only about 2c per bu. of seed. This is the lowest cost of any seed treatment on the market. By using New Improved Ceresan you may increase the yield of grain by 10% to 20% or more.

NORTHERN GROWN SEED BARLEY



Grow these outstanding Malting Barleys and get a premium over the market.

Quality Seed Barley Pays

W. W. Brookins, Assistant Extension Agronomist of the University of Minnesota, has conducted barley institutes throughout the country and has done some outstanding work in developing higher quality barley for malting purposes.

Good malting barley must be mellow and not hard or flinty. The seed must be plump, well matured, uniform in size and of a bright, creamy ripe color. Barley which contains mixtures of oats, wheat and other varieties of barley or other materials difficult to remove, cannot qualify as malting barley. The seed must be free from blight, scab and ergot as well as badly weathered kernels. Damage in harvesting, threshing and storing the crop may result in broken skinned or heat damaged kernels.

WISCONSIN PEDIGREE NO. 38 BARLEY—Registered

This variety was developed by the Wisconsin Experiment Station by crossing a black smooth-bearded barley with Oderbrucker which is a standard white kerneled variety. They succeeded in obtaining a number of strains from this cross that were smooth-bearded with white heads and from these strains careful selections were made for size of heads and kernels, resistance to disease, stiffness of straw and yielding ability.

WISCONSIN PEDIGREE NO. 38 BARLEY HAS THE FOLLOWING OUTSTANDING CHARACTERISTICS:

First—Smooth-bearded. This feature makes the barley very easy to handle and because of this, it has stimulated production of barley to a great extent.

Second—Resistance to hot weather. This barley appears able to withstand a greater degree of heat than many other varieties of barley which are now being grown. It matures a few days later than Glabron and Velvet; but with its resistance to hot weather and long, stiff straw, it is able to stand up and develop larger kernels than some of the earlier varieties.

Third—Yields heavily. Wisconsin No. 38 Barless Barley has shown its ability to out-yield other varieties and has produced as high as 70 bushels or more per acre. In Wisconsin tests, this variety has always outyielded any of the common barley grown in comparison with it.

Fourth—Finest for malting. Wisconsin No. 38 Barless Barley is greatly desired by the manufacturers of malt and will command a premium over many other varieties on the market. See Blue Figure Price List.

May 18, 1939
Last year I got 3 lbs. New Hybrid Jap Hullless Pop Corn from you. I planted only 1 lb. of the seed and I had a wonderful crop. I sold \$25.00 worth of corn to a pop corn stand here and to other people around town and they all said it was the best corn they ever ate. Besides that we ate pop corn nearly every night besides giving away quite a lot of it. I can't praise the New Hybrid Jap Hullless enough.

Earl L. Christen
Forest City, Iowa

Treat Seed Barley with Ceresan

Use this dust treatment on seed to reduce seed-borne diseases, step-up your yield, increase your profit. Experiment Station tests by most important grain states prove its power against covered smut, black loose smut and stripe. Average yield increase in tests, 6%. May be applied as long as 3 months before sowing. Easy to use, inexpensive, doesn't damage drill or retard drilling rate. Use it this year, not only on barley but also on wheat and oats. One pound treats 32 bu. Price: 4 oz. 30c, 1 lb. 80c, postpaid; not prepaid, 5 lbs. \$3.25. Free pamphlet. May be mailed. See page 65.

PEATLAND BARLEY

A rough-awned barley, well adapted to peat soils and yielding well on mineral soils and land that is too rich to grow other barley varieties. It is particularly adapted to northern Minnesota, especially the regions around Grand Rapids.

Classified as a satisfactory malting barley, Peatland is highly resistant to scab and may be grown in regions where scab is a serious problem and produce a good malting barley. It is resistant also to spot blotch and stem rust diseases, but is susceptible to stripe disease which may be controlled by treating with Ceresan.

For Prices see Blue Figure Price List.

BUCKWHEAT

An excellent catch crop, which may be sown after harvesting winter wheat or rye or on newly broken ground. Its greatest value lies in the fact that it is the best and surest means of getting rid of quack grass.

JAPANESE—Large kerneled, dark brown and early. It is very productive, and an excellent feed for cattle and hogs. Sow from June 1 to July 1, 3 pecks to the acre.

SILVER HULL—A thin shelled buckwheat, with silvery grey kernels of medium size, very sound. Silver Hull is a prolific grower and heavy yielder, and makes fine buckwheat flour. Excellent for bees.

See Blue Figure Price List.

SPELTZ or EMMER

A valuable grain belonging to the wheat family. Kernels are tightly enclosed in hulls which adhere at threshing. Speltz has a feeding value equal to oats, and only slightly less than barley and corn. It is extremely rust resistant, and will not lodge like other grains, because of its stiff heavy straw. Speltz can be grown on many kinds of soil, rich or poor, throughout Minnesota, Iowa, Wisconsin, and the Dakotas.

Speltz makes wonderful feed and is especially fine for hogs and poultry. Sow 1 1/2-2 bushels per acre, adjusting the drill the same as for oats.

The Best Early Oat Varieties for the Northwest

GOPHER OATS

Minnesota No. 674—Registered

Gopher is a white, early maturing variety with straw so stiff and strong that it does not lodge even on well-manured farm land. It is also adapted for growing on peat land. It is without any question the best oats for the rich dairy farms of southern Minnesota, Iowa and Wisconsin and unequalled for sowing with clover and alfalfa as a nurse crop.

This variety was developed by the Minnesota Experiment Station and has become widespread throughout the Northwest. Excellent reports, not only from Minnesota but from North and South Dakota, Wisconsin and Iowa, show that Gopher is still leading in yield, earliness and stiffness of straw.

The oat crop in many sections was very light, having been damaged by adverse weather conditions and the demand for seed will be quite great. Our stocks of high quality certified seed oats are reasonably large, especially the Gopher variety but with the strong demand may not last long. For Prices: See Blue Figure Price List.

IOGOLD OATS

Rust Resistant—Registered

The necessary requirements for any variety of grain are yield, stiffness of straw (resistance to lodging), rust resistance and early maturity. Iogold Oats includes all of these which makes it such an outstanding variety. We have only a fair supply of high quality seed.

Iogold Oats produces heads that are spreading, erect, cream colored and very uniform. The kernels are golden yellow and larger than Iowa No. 105. The straw is coarser than Kherson and is stiffer than any other variety produced by the Iowa Experiment Station. The plants grow about three inches taller than Iowa No. 105 and ripen about the same time.

For Prices: See Blue Figure Price List.

IOWA NO. 105 OATS

This variety was produced at the Iowa Agricultural College, at Ames, Iowa. It is very early, fine to use as a nurse crop, and is a heavy yielder.

The kernels are of medium size, light yellow, plump and heavy. The oats grow about 4 inches taller than Kherson, with stiff straw that holds up its heavy load of plump grain well. It will grow without lodging, on heavy bottom land where it is impossible to grow many other varieties. For Prices: See Blue Figure Price List.

EARLY KHERSON OATS

One of the earliest oats in cultivation. It was introduced by the Experiment Station of Nebraska, and has proved a success in that state, being naturally adapted to sections that are subject to drought. It is a vigorous but not rank grower, producing shorter straw than other varieties, with branching heads and very broad leaves. The kernels are light yellow in color, small, but numerous, and have a very thin hull. For Prices: See Blue Figure Price List.

NEW IOWA SELECT NO. 52

This new variety of oats was developed from a plant selection of Iowa 105, at the Iowa Experiment Station. It has the outstanding characteristics of a fine quality oat—namely, lodging resistance through stiffness of straw, rust resistance, early maturity and high yields. An open-panicked oat with excellent quality yellow grain, fairly thin hull, and especially fine for feeding young pigs. It is recommended for sections in southern Minnesota and Iowa where an early maturing variety is desired. See Blue Figure List.

Treat Seed Oats
with Improved Ceresan

Controls smut, improves your stand—producing bigger, cleaner yields. Highly recommended. Easy to apply—also used for wheat and barley. One pound treats 32 bushels.

Price: 4 oz. 30c; 1 lb. 80c, prepaid. See page 65.

NEW NAKOTA HULLESS OATS

Minnesota Accessory No. 741



Nakota Hulless Oats was developed by the South Dakota Experiment Station from a double cross (Markton x Richland) x (Swedish Select x Kilby). It is early maturing, and just a day or two later than Gopher, and very resistant to stem rust, also immune to smut. The yield compares favorably with the standard hulled varieties when allowance of 30% is made for weight of hulls. After thorough testing it was placed on the recommended list of the Minnesota Experiment Station.

Hulless Oats are very popular for feeding young pigs and poultry.

In many seasons, due to adverse weather conditions, crops of oats have been very light in weight. Light oats have a high percentage of hulls and therefore lots of fibre which has little value for feeding pigs. Hulled oats make an excellent feed for little pigs and about 165 lbs. of fairly heavy whole oats will make 100 lbs. of hulled oats.

The recommended rate of seeding is about 50 lbs. per acre, as this variety stools very heavily. Seed supply very limited. Order early. For Prices See Blue Figure List.



Iogold—Early, Rust Resistant, High Yielding.

Midseason and Late Varieties

MINRUS OATS

Rust Resistant—Registered

Minrus matures about half way between Gopher and Anthony; produces white glumes and has a spreading panicle. It is about equal in height and stiffness of straw to Anthony and is highly resistant to black stem rust. It was produced by the Minnesota Experiment Station from a cross of Minota and White Russian.

Observations to date indicate that Minrus will outyield Gopher Oats on any ground except the very richest. Gopher Oats should be used on the rich soils as it is more able to resist lodging under those conditions. Minrus should be very popular on lighter soils where Gopher Oats does not get tall enough to handle well.

Minrus may be grown with varieties of spring wheat as succotash as it is a few days later than Gopher. Minrus has already met with great favor wherever tried. For prices, see Blue Figure List.

NEW RUSOTA OATS

Minnesota Accessory No. 708

This outstanding rust resistant variety of oats was developed by the North Dakota Experiment Station as a plant selection from Green Russian. It was thoroughly tested and is on the recommended list of the Minnesota Experiment Station. Rusota has outyielded all other varieties in trials at the Northwest Station at Crookston, Minnesota.

Rusota Oats is a midseason variety maturing about the same time as Anthony, is open paniced, and produces white kernelled grain, medium large in size. This variety compares favorably in plant height with Anthony Oats.

We especially recommend this high yielding, stiff strawed, rust resistant variety for those sections where a medium maturing variety is desired and where the early varieties do not seem to give the best results. Supply limited. See Blue Figure Price List.

ANTHONY OATS

Registered

Anthony Rust Resistant Oats (Minnesota No. 686) is a new variety produced from a cross of White Russian (White Tartar) and Victory, it is a midseason type maturing about two weeks later than Gopher or Iogold and has a spreading panicle. The straw is about equal in length to Victory and is very strong. Anthony is well adapted to all types of soils but does especially well on those soils that are only moderately fertile.

It is very highly resistant to black stem rust and produces large yields while other midseason varieties, not resistant to rust, break over and yield poorly. Anthony excels in weight per bushel and yield.

Wherever it has been grown it met with instant favor and we especially recommend it for those sections where the early varieties do not seem to give the very best results. For prices, see Blue Figure List.

Wheat and Oats

Profitable Combination Crop

A profitable practice is to grow oats and wheat in combination. Yields of 50 to 60 bu. of oats and 20 to 30 bu. of wheat per acre have been reported. A combination crop returns more profit per acre than either wheat or oats separately. Use 1 1/2 bu. of oats and 3/4 bu. of wheat per acre. Thatcher grown with Minrus or Anthony Oats gives the best results as they ripen about the same time. Other good combination crops are barley with early oats, wheat with flax.

MASTER HYBRID



Every farmer now knows the value of Hybrid Corn. Official records of the Experiment Stations, and hundreds of trials in all parts of the corn belt have proven without doubt that you will be losing 10 to 20 bushels of corn per acre by not growing the best Hybrids for your locality.

We Feature Registered Minn. and Wisc. Exp. Station's and Our Own Master Hybrids

These have proven superior in numerous trials. Records of performance, and a Planting Guide showing where each variety is best suited, will be sent gladly on request.

Master Minnesota Hybrids

Minhybrid No. 301—(105 to 110 DAYS)

A popular yellow hybrid developed by crossing an early Minnesota No. 13 single cross with Reid's Yellow Dent. It matures about the same time as Golden Jewel, Silver King and Minnesota Ideal and is adapted to southern Minnesota and Wisconsin, northern Iowa, southern South Dakota, and similar localities.

It has a very stiff stalk and strong root system. It grows tall, producing large, well filled ears. The stalks remain green after the corn is ripe.

Minhybrid No. 301 will produce 10 to 15 more bushels per acre than open pollinated kinds.

Minhybrid No. 401—(95 to 100 DAYS)

Developed from a cross between Early Minnesota No. 13, yellow and Rustler White Dent. Medium in height, leafy, producing a good sized ear of mixed yellow and white color. Yields have averaged 20% more than open pollinated kinds of same maturity. It ripens in 95 to 100 days and is adapted to central parts of Minnesota, Wisconsin and South Dakota and may be grown farther south where early ripe corn is desired. Also recommended by Michigan Experiment Station.

Minhybrid No. 402—(85 to 90 DAYS)

An extra early hybrid of mixed yellow and white color developed from the same parent varieties as Minhybrid No. 401, the plants being slightly smaller and about five days earlier in maturity. The yield is about the same as Minhybrid No. 401, being 15% to 20% higher than open pollinated corn. It is adapted to north central Minnesota, Wisconsin, northern South Dakota and southern North Dakota. Also recommended by North Dakota and Michigan Experiment Stations.

Minhybrid No. 403—(105 to 110 DAYS)

This latest development of the Minn. Experiment Station is the result of combining two early maturing inbred lines from Minnesota 13 with two late inbred lines from Reid's Yellow Dent.

It matures about the same time as Golden Jewel, Early Murdock, Silver King, and Minhybrid 301, and is adapted to southern Minnesota and Wisconsin, northern Iowa and southern South Dakota and similar territories. This pure yellow hybrid has very fine standing ability and will outyield open pollinated kinds by 10% to 20%. It produces a long, smooth dent, 16 to 20-rowed ear of very high quality grain. The stalks tend to remain green long after the ear is ripe, and the plant shows marked resistance to smut.

See Blue Figure List for Prices.

SEED CORN

ALL OUR HYBRIDS ARE

- State Registered and State Sealed—
- Minn. Grown for northern farmers—
- Recommended by Experiment Stations—
- Adapted to your locality—
- Produced by reliable growers—
- Priced direct to you—no agents' profit added.

WHAT THIS MEANS TO YOU

- Stiff stalks—large roots—resistance to wind and hail—are easily picked—
- Vigorous growth under various soil conditions—
- Yields of 10 to 20 bushels more per acre—
- Stalks that stay green after corn is ripe, and produce more corn on fewer acres.

EVERY BAG EXPERTLY GRADED —REGISTERED—SEALED

Master Wisconsin Hybrids

Wisconsin 85-Day Hybrid

A new all-yellow hybrid of exceptionally early maturity. Adapted to central and western North Dakota, northern Minnesota and northern Wisconsin. Also a splendid variety for early hogging off in more southern sections. It matures about the same time as Wis. 25 and Haney's Minn. 13. Has all the hybrid advantages such as increased yield, greater standing ability, and stalks that stay green after corn is ripe.

Wisconsin 90-Day Hybrid

Gives very fine results in northern Minnesota and Wisconsin and North Dakota. It also may be grown in central Minnesota and Wisconsin where an early maturing variety is desired. Very high yielding and superior to ordinary corn. It produces a sturdy medium-sized plant carrying ears well filled with pure yellow kernels.

Wisconsin 95-Day Hybrid

Adapted to central and north central Wisconsin and Minnesota, northern South Dakota and the southern part of North Dakota. This early yellow variety has produced as high as 80 bushels per acre. Ideal for main crop in northern and central sections, and for early hogging off in southern sections.

Wisconsin 100-Day Hybrid

A yellow hybrid adapted to central Wisconsin, central Minnesota and South Dakota and outyields Central Minnesota No. 13, Early Golden Glow, Rustler White Dent and other similar varieties. In those sections where Minhybrid No. 301 seems late, the Wisconsin 100-Day Hybrid should be very satisfactory.

Wisconsin 105-Day Hybrid

May be grown in south central Wisconsin, southern Minnesota and in the southern part of South Dakota. This pure yellow hybrid ripens a little earlier than Minhybrid No. 301. It yields well, resists lodging, and matures evenly.

Wisconsin 110-Day Hybrid

A fine yellow hybrid for southern parts of Minnesota, Wisconsin, South Dakota and northern parts of Iowa, Illinois, and Nebraska. It is just a few days later than Minhybrid No. 301. It has remarkable standing ability, is very uniform and extra high yielding.

Ask for Free Planting Guide.
See Blue Figure List For Prices.



Minhybrid 403—Yielded 78 bu. per acre in Southern Minnesota.

A Warning to Hybrid Corn Growers

At the Watonwan County Field Day held in October, R. F. Crim, Extension Agronomist, at University Farm and Secretary of the Minnesota Crop Improvement Association, called special attention to the fact that the moisture content of the samples husked varied from 13% to more than 20%.

He expressed considerable concern over the fact that in the past three or four favorable corn years, farmers have been accepting and planting varieties of Hybrid Corn that ARE MUCH TOO LATE for the average Minnesota season. He said that this year has been the best corn year he has ever seen in Minnesota. He cautioned that although farmers have

been fortunate in the past three or four years, some time soon we will be caught with a short corn year, and the use of these late maturing varieties of Hybrids will prove costly.

He went on to show that on the basis of yields, the past three or four unusually favorable seasons, the well adapted and locally developed Hybrid varieties have compared favorably with some of the "cord wood ear" types that have been sold in the state. Crim says he sees no justification therefore for farmers to take a chance with the late maturing, unadapted varieties. Are you going to play safe by following the suggestions of your Experiment Station?



Detasseling Crews Ready to Leave for the Fields.

STANDARD or Open Pollinated SEED CORN

GOLDEN JEWEL, Registered

Golden Jewel was introduced by us and there is no variety grown in southern Minnesota that surpasses it for yields of high quality corn and fodder. This variety is on the recommended list of the Minnesota Experiment Station. The ears are of a golden yellow color, very compact, 8-10 in. in length, 16-20 rows of medium deep, square shouldered kernels on a small red cob, and run from a moderately smooth to a slightly rough ear. It grows 8-10 ft. tall.

It is especially adapted to southern Minnesota, South Dakota, Iowa, southern Wisconsin, northern Illinois and other Corn Belt states. (See Blue Figure Price List.)

GOLDEN KING, Registered A Medium Early High Yielding Variety

Golden King has been grown in central and southern Minnesota and northern Iowa for many years and is highly productive, having won in a number of yield tests. This corn grows 8 ft. tall. The ears are of rich golden color, medium deep kernels, 14-16 rows, 8-9 in. in length. It is recommended by the Minnesota Experiment Station for central and southern Minnesota and is also highly recommended for northern Iowa. It ripens earlier than Golden Jewel and can be depended upon to produce a crop of ripe corn in practically any season. Golden King shows a much smaller percentage of barren stalks than any of the open pollinated varieties.

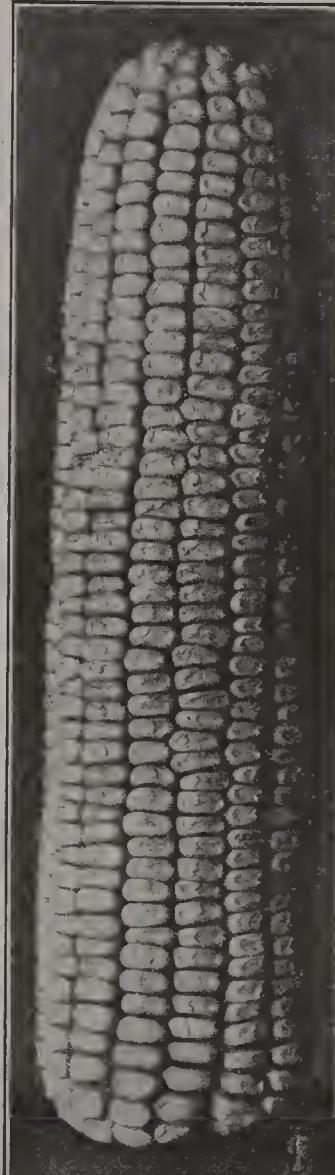
We do not hesitate to recommend it for central and southern Minnesota, South Dakota, Wisconsin, and other localities where a 100 to 105 day corn variety can be grown to advantage. (See Blue Figure Price List.)

EARLY MURDOCK, Registered

Murdock is a yellow dent variety quite similar to Golden Jewel in appearance except that it has fewer rows. The kernels are medium deep with a wrinkled dent. Our strain is 5 to 10 days earlier than Golden Jewel and produces high yields of very fine quality. The ears are 8 to 9 1/2 inches long, of golden color, compact and uniform. It is primarily adapted to southern Minnesota, Wisconsin, South Dakota, also northern Iowa and Illinois. It may be grown in some parts of central Minnesota and south central Wisconsin. It matures in about 100 days from the time of planting. The yields of Murdock are only slightly less than those of Golden Jewel. (See Blue Figure Price List.)

Winthrop, Minn.
Oct. 5, 1939.

F. S. & N. Co.
I have been growing your Minhybrid 301 five seasons—first year 1935 we raised 81 bushels to the acre. In 1936 we had heat and drought—did not raise much corn. In 1937 and 1938 we raised 77 and 82 bushels to the acre. Now in 1939 we planted Minhybrid 403, and at present, October 5th, we are husking this corn—it will yield close to 90 bushels per acre—big solid ears. Carl Swanson, R. R. 3



Golden King.

MINNESOTA NO. 13, Registered

Large Type or Southern Strain

This strain has been especially selected for southern Minnesota, Wisconsin, South Dakota, northern Iowa, and similar localities. The ears are smooth, deep yellow in color, 7 to 9 inches in length, 14 to 16 rows of medium deep kernels. Stalks grow 7 to 9 feet tall and it matures in 100 to 105 days. It will produce large yields on good corn land. (See Blue Figure Price List.)

Central Strain (Minn. 13)

This was the original strain of Minnesots No. 13 and is especially adapted to central Minnesota, Wisconsin, and northern South Dakota, maturing about a week earlier than the Large Type Minnesota No. 13 or in 95 to 100 days. It is the best known open pollinated variety in central Minnesota. (See Blue Figure Price List.)

Extra Early Haney's Strain (Minn. 13)

This strain is particularly adapted for northern Minnesota and Wisconsin and North Dakota and is the earliest open pollinated yellow dent corn now being grown. Stalks grow 5 to 7 feet tall and will mature very readily in the northern areas under normal conditions and is very good for hogging off or early feeding in other sections of the Corn Belt. It matures in 85 to 90 days. (See Blue Figure Price List.)

NORTHWESTERN DENT, Registered

Northwestern Dent Corn is a cross between a red flint and a yellow dent, and has red kernels with light yellowish and cream shadings. No other variety is grown as extensively in North Dakota, northern Minnesota and Wisconsin as Northwestern Dent. Under ordinary conditions it matures in 80 to 85 days.

Northwestern Dent will produce high yields per acre for early corn. The ears are of good size, 7 to 9 inches long, having 10 to 14 rows of kernels. The stalks are 5 to 7 feet in height. This variety is excellent for hogging down. (See Blue Figure Price List.)

MINNESOTA IDEAL, Registered

This splendid large eared yellow dent corn, which we introduced, is very productive. It is a standard corn variety for southern Minnesota and other states of the Corn Belt. Minnesota Ideal matures a few days later than Minnesota No. 13. Under good growing conditions the yields are very high. Minnesota Ideal has a strong, vigorous root system and stiff stalks which enable it to stand up well. It is also an outstanding silage and fodder corn, producing more tons per acre than other varieties. (See Blue Figure List.)

FODDER AND FLINT CORN

Ideal Silo Corn

Registered and State Sealed

An Origination of the Farmer Seed & Nursery Company. Greatest tonnage per acre.

Ideal Silo Corn is the greatest yielder of corn for fodder purposes, for feeding green, for ensilage, and for curing in the bundle.

Originated by us, to give the largest tonnage in stalks and leaves—and well developed ears, that will make a balanced ration ensilage. It is not coarse like southern fodder, and does not grow all to leaves and water.

This strong, vigorous variety produces stalks 8 to 10 feet high, with broad thick leaves, making large quantities of high quality succulent fodder. Ears 8 to 10 inches long, with medium deep yellow kernels. Matures in about 110 days.

Our farmer friends report Ideal Silo Corn to fill silos with half the usual acreage. Many have filled silos 12x30 with corn from four acres, and 12x35 with corn from five acres, when with ordinary corn from 10 to 12 acres would be required to fill the same silos.

Demand Always Exceeds Supply

The demand in previous years has exceeded the supply of seed, and although we have a fair stock of the finest quality seed this year, and the lowest prices in years, we urge our friends to order early.

A down payment of 25% will hold your corn order until March 15th, at which time the balance is due. For Prices See Blue Figure List.

"Hybrid" Silo Corn

Because of the outstanding characteristics, hybrids are well adapted for silage. Many customers have asked that we offer hybrid corn for silage because of its superiority to other kinds.

These qualities which make hybrid suitable for silage are—

1. Produces an increased tonnage of 25%; more than enough to pay the extra seed costs.
2. Does not lodge and is easily cut with a binder.
3. Grows to a uniform height.
4. Stalks and leaves stay green longer.
5. Resists cold, drought and heat.
6. Produces well-developed, uniform-sized ears.

We have a limited amount of large type hybrid corn in this special lot taken from our regular registered stock.

For Prices See Blue Figure List.

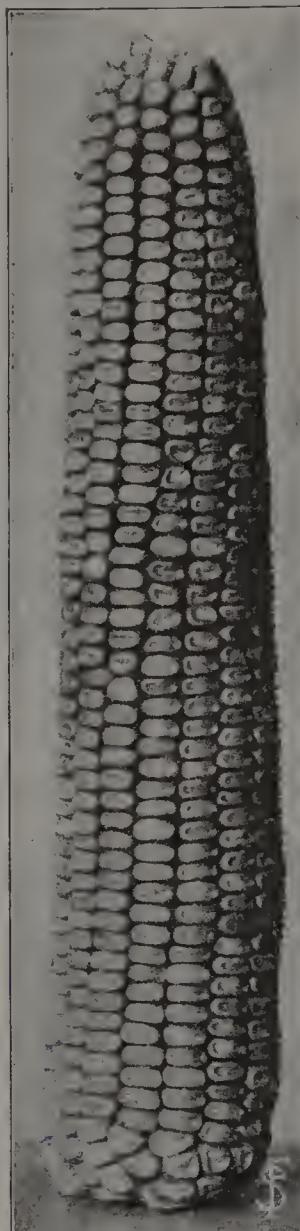
EVERGREEN SWEET FODDER CORN

Earliest Green Bundle Feed The Dairyman's Life-saver

Produces 4 to 5 tons of sweet juicy nutritious feed per acre, with remarkable increase in milk production—a vigorous grower, and at low seed cost.

This variety will produce stalks 9 to 10 feet high—increases the production of dairy cows to a remarkable degree. Other livestock thrives on it and makes rapid gain.

The stalks are sweet, tender, juicy and nutritious with large broad leaves produced in great abundance. The ears are large, having 16 to 20 rows of kernels and are white in color. There are 48 lbs. per bushel of Sweet Fodder Corn. Plant 15 to 20 lbs. per acre. See Blue Figure Price List.



IDEAL SILO CORN

Our Hybrid Seed Corn Stocks are Treated with Barbak



Dependable Seed Corn Treatment

Cost less than 2c per acre

Corn crops are reduced over 80 million bushels annually by diseases that are carried on the seed. Barbak destroys harmful disease organisms, protects seed from rotting in cold, wet soil, makes earlier planting possible, controls seedling blight, reduces root and stalk rots, and increases crop yields. Less irritating to handle than other corn treatments.

Price: 2-oz. packet (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1-lb. tin (60-acre size) 75c, 5-lb. tin \$3.00, 25-lb. drum \$12.50.

CROTOX Bird Repellent

Saves Seed and Replanting—Stops Crows, Pheasants, Larks, Starlings and other birds, as well as Squirrels, Gophers, Woodchucks, etc., from destroying planted seed.

Crotex covers all smooth surface seeds with a protective repellent coating which repels seed-pulling birds and rodents. 1/2 pt. treats 1 bushel seed... 60c, prepaid 1 pt. treats 2 bushels seed... \$1.00, prepaid

SEMESAN JR.

One pound will treat enough corn seed to plant 60 acres. Increases germination and stand, and at a cost of 2 cents an acre will insure an increase in yield.

Prices: 2 ozs. 15c, prepaid.—Not prepaid, 4 ozs. 30c, 1 lb. 75c, 5 lbs. \$3.00, 25 lbs. \$12.50.



Paul Pokaltus in His Field of Ideal Silo Corn.

Flax is a Profitable Crop

New Soil Conservation Program Again Encourages Its Production

In the north central region flax will not be considered a soil depleting crop when used as a nurse crop for biennial or perennial grasses established in 1940. This change in the Soil Conservation Program was made to stimulate the growing of flax. Production of flax during the past six years has been so small that the crushers have had to import large quantities.

Flax is easily grown if planted on clean land. It will produce a large crop under good growing conditions, bringing much greater returns than can be obtained from most of the grain crops. A good flax crop will usually bring \$25 to \$35 per acre, while \$20 to \$25 per acre is a good return from small grain. In addition, flax holds an important place in the soil building and erosion control program.



Sudan Grass produces 3 to 4 tons of hay from one cutting.

HARDY FLAX VARIETIES

There is an acute shortage of Seed Flax. Order early while supplies are available.

In the past, Flax was considered more as a catch crop, to be planted when conditions for other crops were unsatisfactory, or after all other crops were sown. This is a very poor procedure, for Flax does best in moderately warm weather and if planted too late is usually greatly affected by heat and drought.

To obtain large crops, sow early right after grains are planted, up to about the middle of May. The earlier that Flax is sown, the better able the plant will be to withstand wilt and other diseases.

Sow Flax at the rate of 28 to 42 lbs. per acre, depending upon the size of the seed and the condition of the land. The smaller seeded varieties such as Red Wing are seeded at the rate of 28 to 35 lbs. per acre, or slightly more if the land is somewhat weedy. Bison at about 35 to 42 lbs. per acre.

BISON—This variety comes from the North Dakota Experiment Station. It is a large seeded type both rust and wilt resistant and is exceptionally popular in the Dakotas, Minnesota and other points of the Northwest. It has already replaced many other varieties now being grown. From the yield standpoint it will produce about as much as Red Wing. Yields have been reported as high as 30 bushels per acre, but an average yield can be expected of about 20 bushels or more per acre. See Blue Figure Price List.

RED WING FLAX—Rust and wilt resistant. Like Bison Flax, Red Wing is outstanding for its resistance to rust and wilt. It was developed by the Minnesota Experiment Station and has proven a good yielder throughout the Northwest. The blossoms of Red Wing Flax are a lighter blue than the other varieties and the seed is somewhat lighter in color. Red Wing Flax is quite popular this season and we anticipate a good demand. See Blue Figure Price List.

RAPE FOR QUICK PASTURE

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant.

One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt.

Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

DWARF ESSEX RAPE—The commonly grown type that has produced the finest pastures for many years. Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

Advantages in Sowing Rape

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, Sudan Grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.

Ideal Flax Combination Crops

Legume—Grass—Flax Combination

As a nurse crop for Alfalfa, Clovers or Grasses, Flax has no equal, because it does not heavily shade the young forage plants and its sturdy stubble affords winter protection. The flax plants' open habit of growth and the presence of legumes and grasses in combination also aid in controlling weeds.

We recommend seeding a normal rate of Alfalfa, Red and Alsike Clover, Sweet Clover, Timothy, or other grasses with approximately one-half a normal seeding of flax per acre, or 14 to 20 lbs., so that the clover and grasses would not be smothered and a good stand secured.

A Clover or Grass Seed attachment to the grain drill may be used, sowing the seed ahead of the drill and covering it lightly with a harrow.

Wheat—Flax Combination

A combination of 15 to 20 lbs. of Flax and 45 lbs. of Seed Wheat per acre sown at the usual wheat seeding time has an advantage over flax alone, particularly in the control of such weeds as lamb's quarters and wild buckwheat. This early seeding which gives the wheat the best chance for development, provides the best conditions for the growth of the flax also.

Yields of 10 bushels of flax and 15 to 20 bushels of wheat are not uncommon, with a combined seeding. When threshed, they are easily separated with an ordinary fanning mill and can be sold at highest market value because the quality of the grain is usually very good. There is less danger of damage to either crop from disease or lodging when grown in combination.

SUDAN GRASS GROWS QUICKLY

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows.

DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME. Like corn, it is a warm weather crop.

In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

Produces Quality Hay

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Livestock of all kinds will eat the hay readily.

CULTURE—For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage will make a bright, leafy, sweet, hay, of the very best quality.

Plant Legumes with Sudan

Sudan Grass grown with legumes, such as soy beans, makes a well-balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate.

Prices: Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

SUDAN GRASS CIRCULAR FREE

SOY BEANS, FIELD PEAS, VETCHES

SOY BEANS ARE VALUABLE FOR HAY, SEED OR FOR SOIL IMPROVEMENT

1. Soy Beans are easy to grow, and are valuable for soil too poor for other legumes. →

2. They withstand both drought and heat well, and are not easily damaged by moisture.

3. They make a good emergency crop, as they can be sown late, after other crops fail or are harvested.

4. They deposit large quantities of nitrogen in the soil if inoculated with Nitragin, building up poor land on which clover or alfalfa cannot be grown.

5. Soy Beans as a hay crop, are higher in protein content than clover hay, or field peas and oats mixed. For dairy cattle, the hay is equal to alfalfa hay.

6. They make good ensilage grown with corn, and are also used for hog pasture.

7. They take the place of oilmeal, and are even more digestible.

Soy Bean Varieties

HABARO—Registered

Originated by the Minnesota Experiment Station.

Habaro is the most outstanding variety for Minnesota and the Northwest. It was introduced a number of years ago, and when it became generally known that soy beans were such a profitable crop, there immediately was a demand for this variety.

Habaro is earlier than Manchu and will produce ripe beans anywhere in southern Minnesota and even in sections farther north, under good growing conditions. It is the highest yielding, yellow seeded soy bean variety, adapted to conditions such as we have in Minnesota.

Habarios stand up straight, are very leafy and produce a large tonnage of nutritious hay per acre. They may be easily cut with a grain or corn binder, and have a high oil content which makes them desired by the crushers. Habarios will produce 35 to 40 bushels of well matured beans per acre on good land under normal growing conditions. We have a fair supply but with the great demand, these will not last long, so please order early. Price: Lb. 20c, postpaid. See Blue Figure Price List.

MUKDEN

Mukdens were introduced a few years ago and are now being grown extensively. The reason for their popularity is due to the fact that they mature a little earlier than Manchu and Illini, grow upright and do not have a tendency to lodge. They are very leafy, produce a large tonnage of hay and a high yield of beans. The seed is yellow in color, resembling Manchu, but slightly smaller. In southeastern Minnesota and northern Iowa, Mukden is one of the most important varieties. Be sure to try this variety. Price: Lb. 20c, postpaid. See Blue Figure Price List.

MANCHU

This variety takes the lead among Soy Beans in the Middle Western States. It is outstanding for all purposes—hay, feed, hogging down, as well as for planting with corn for the silo. It will fully mature under ordinary conditions and grows large enough to produce excellent yields of hay or a large crop of beans. A good average crop will produce 20 to 30 bushels of beans per acre.

Manchu is a robust grower of vines which stand up well and are easily cut with the corn or grain binder. This variety matures in about 100 days, being well adapted to the southern half of Minnesota, Wisconsin, South Dakota and all sections farther south. In localities where the growing season is short, Manchu is preferred for hay purposes, but an earlier variety must be grown for seed. The beans are yellow and of medium size. Price: Lb. 20c, postpaid. See Blue Figure Price List.



BEVASOY—Alkaline Coffee Substitute. Delicious beverage made from soy beans, grains and fruit—skillfully toasted and blended. Use just as you would coffee. Contains no caffeine—does not cause sleepless nights nor irritate nerves or kidneys. One pound makes 130 cups. Price: 1 lb. 40c, 3 lbs. for \$1.00, prepaid.

SOY BEAN MILK POWDER—Most alkaline and digestible of all protein foods—free from starch. Excellent source of vitamins A, B, D, E, G; phosphorus, calcium and iron. Of special value in diabetic and low carbohydrate diets, stomach ulcers, colitis, etc. Builds endurance. Price: 1 lb. 45c, 3 lbs. for \$1.10, prepaid.

How To Grow Soy Beans

CULTURE. Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right.

Soy Beans may be planted in the following manner:

1. In ordinary 6 in. rows with a grain drill, using 90 to 120 lbs. of beans per acre.
2. In 12 in. rows, using a grain drill and plugging up every other drill, using 80 to 90 lbs. per acre.
3. In 21 in. rows, using a corn planter with a bean attachment, the planter being set at the regular distance of 42 in. and the rows straddled. Plant about 70 to 75 lbs. of beans per acre.
4. Soy Beans may also be planted in rows 30, 36 and 42 in. apart and cultivated. Plant 35 to 45 lbs. of beans per acre.
5. Soy Beans may also be broadcast, using about 90 to 120 lbs. per acre.

Soy Beans for Seed

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to livestock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

Soy Beans for Soil Improvement

Soy Beans head the list of the annual soil improvement crops. They will give a very fine yield of hay or may be turned under in the fall, thereby enriching the soil and making it mellow and easily tillable. Like other legumes, they should be inoculated with Nitragin inoculator in order to get the best development and have the greatest amount of plant food turned under. Soy Beans will again be in great demand in 1940.

New Early Manchu Soy Beans

Wisconsin Approved No. 3

This variety was developed as a selection from the Manchu variety by the Wisconsin Experiment Station. The Wisconsin No. 3 Manchu Soy Bean resembles the Manchu in that it is a fairly tall growing bean with a yellow color and a black hilum. The bean is rather large in size. This variety matures earlier than the standard strain of Manchu Soy Beans and has proved to be very outstanding in yields of both seed and forage. It is recommended for sections in north central Minnesota and Wisconsin and similar territories. Price: 25c lb. postpaid. See Blue Figure List.

Canada Yellow Field Peas

CHANCELLOR—Registered

Field Peas are an important class of legumes, and should be more generally planted. Few farmers know the value of Field Peas as a hay crop and fertilizer. They fit into crop rotations well, and are better suited to conditions of the Northwest than any other annual legume, for building up worn-out soils.

Field Peas are usually grown with oats for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels of oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, they grow too rapidly, and check or smother the growth of the peas. Price: Lb. 20c, 5 lbs. 75c, postpaid. For prices on larger quantities, see Blue Figure Price List.

Vetches

SAND or HAIRY

Vetches, either green or as hay, make excellent feed and are also used extensively as cover and green manure crops. They make good hay, ensilage, pasture and green feed and are very valuable as a green fertilizer and as a cover crop in orchards, preventing the washing away of the soil.

Vetch may be sown in the spring at the rate of 60 lbs. per acre, or with a grain crop such as oats, wheat, rye or barley, at the rate of 30 lbs. per acre, and using one-half of the normal rate of small grain. This combination makes excellent forage or hay and also aids in preventing the Vetch from lodging. Vetch may also be sown in the fall with winter rye for a hay crop, about August 1 to 20, using about 30 lbs. of Vetch and ¾ bu. of rye per acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. See Blue Figure Price List.

Sunflower

MAMMOTH RUSSIAN

The production of Sunflower for ensilage and fodder is now advocated by many experiment stations. This is fairly profitable where the seasons are too short to grow other forage plants, sorghums, etc.

We do recommend Sunflower as a highly important and profitable crop for poultry breeders and farmers, for fattening hens or producing eggs. Single flower heads measure 12 to 22 inches across, containing a large quantity of seed. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.

MILLET and SORGHUM CANE

Although many farmers are now growing Millet regularly as a hay crop, it was not until the last few years that its value was fully appreciated as a quick-developing crop. Many find it of great value in case of crop failure of Clover and Timothy, when dry, spring weather cuts short the pasture and meadow grasses, or when there is a cold, wet spring and corn and other early sown crops are drowned out—it is then that Millet is fully appreciated.

Millets may be planted up to July 1 and even later, and still produce a crop of hay or pas-

ture. Millet hay properly handled has great feeding value and milk-producing qualities. For hay it should be cut as soon as it blooms, before the seed forms, otherwise the hay is apt to be woody. In more southern sections Millet is sown as a catch crop after the grain has been harvested. It produces the best results in warm, rich soil.

Sow broadcast, using about 25 lbs. per acre, covering seed three-quarters of an inch deep. For a seed crop, allow the Millet to ripen fully and harvest with a grain binder.



Making Sorghum Syrup From Minnesota's Famous Cane Varieties.

SORGHUM CANE

MINNESOTA EARLY AMBER—The Early Amber Sugar Cane grown in Minnesota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 12 to 18 feet high, yielding much fodder, of good quality. Early Amber Cane and Fodder Corn are often planted together, and produce immense yields.

One acre of Early Amber Cane will produce enough to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow color.

We offer an improved strain of Minnesota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability. Sow 8 to 10 lbs. per acre for syrup. Price: 1 lb. 20c, 5 lbs. 80c, postpaid. (See Blue Figure Price List.)

DAKOTA AMBER 39-30-S CANE—Low Acid Cane Variety Developed by the South Dakota Experiment Station.

The demand for low acid content Cane of early maturity has been met by the introduction of Dakota Amber 39-30-S. It grows 55 to 68 in. tall, the stems are medium large and juicy and sweet, tillers freely, the leaves are medium in size. It is a good forage and grain producer. The following qualities make this Cane outstanding:

1. Low acid content.
2. More sugar, higher feeding value.
3. Safe as Sudan Grass.
4. Certified as to purity—uniform maturity.
5. Easy to handle.
6. A good fodder and grain producer.

Plant 5 to 10 lbs. per acre in cultivated rows or 50 to 60 lbs. per acre broadcast.

Price: 1 lb. 35c, 5 lbs. \$1.60, postpaid. (See Blue Figure Price List.)

WACONIA ORANGE CANE—Grows much heavier but shorter stalks than Amber Cane and withstands storms and wet weather without lodging. It produces an outstanding quality of syrup and more of it per acre. Sow Orange Cane at the same rate as the Early Amber Cane. Price: 1 lb. 20c, 5 lbs. 80c, postpaid. (See Blue Figure Price List.)

FODDER CANE—(Southern Grown.) A profitable feed crop producing as much as 30 to 35 tons of green feed per acre. It makes good hay if cut before it grows too high. It matures later than Early Amber Cane. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Price: 1 lb. 20c, 5 lbs. 80c, postpaid. (See Blue Figure Price List.)

F. S. N. Co. Good Thunder, Minn.
From 1 acre of Cane Seed we planted we took out 200 gallons of wonderful sorghum. We cannot praise your Will Rogers Watermelons highly enough—had the biggest crop I ever raised—many of them weighed 40 lbs. Also the Pride of Wisconsin Muskmelon turned out wonderful. It is needless to say all future orders for seeds go to you.

Oscar E. Erickson

JAPANESE MILLET—Billion Dollar Grass

Japanese Millet is one of the best forage crops we have, for feeding all kinds of livestock. It ranks high in milk-producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration, two parts of millet to one of soy beans being the right proportion.

Japanese Millet is adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown any time from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

FIVE REASONS FOR GROWING JAPANESE MILLET:

- 1—It grows 4 to 8 ft. high and produces 5 to 6 tons of hay per acre.
- 2—It is drought-resistant, yet can be grown on wet or poor soil.
- 3—It is good for exterminating quack grass as it stools heavy.
- 4—It is cheap to sow, only 20 to 25 pounds of seed per acre being required.
- 5—It is very palatable and is liked by all classes of livestock.

PLANT MILLETS WHEN SOIL IS WARM AND DANGER OF FREEZING IS OVER.

PROSO MILLETS

Sow 25 pounds per acre.

TURGHAI PROSO—Turghai Millet grows three feet tall and has a purple spreading head. The stems bear a wide leaf similar to corn and are not woody. It withstands considerable drought. It is a red seeded variety, like Early Fortune. Turghai has yielded from 50 to 70 bushels on heavy soil and three tons of hay per acre. Contains 17% protein and is one of the richest feeds for hogs, cattle, sheep and poultry. Ask for free circular.

EARLY FORTUNE—This seed is of a shiny reddish brown about the size of Turghai. The heads are compact. It matures rather early, growing about medium height. It is ready to harvest in 50 to 60 days after sowing.

HOG OR BROOM CORN MILLET—The seed is of high food value especially for poultry and hogs. It is yellowish white in color. Very early and drought resistant and will produce excellent yields of seed.

JAPANESE MILLET (described above).

Price: any variety, 1 lb. 20c, postpaid. For larger quantities see Blue Figure Price List

SEED TREATMENTS

BARBAK—This dependable seed corn treatment increases germination and stand at a cost of 2c per acre. Permits earlier planting, prevents seed rotting, and insures increased yield. Price: 2 oz. pkt. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1 lb. tin (60-acre size) 75c. See page 70.

SEMESAN JR.—Another seed corn treatment which destroys seed-borne diseases, protects seed from rotting in cold wet soil, thus makes early planting possible. Price: 2 oz. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 4 ozs. 30c, 1 lb. 75c. See page 70.

CROTOX BIRD REPELLENT—Saves seed and replanting. Stops crows, pheasants and other birds, as well as squirrels, gophers, woodchucks, etc., from destroying planted seed. For seed corn, soybeans and other smooth coated seed. Price: 1/2 pint (treats 1 bu. seed) 60c, 1 pt. \$1.00, prepaid. See page 70.

CERESAN—For treating seed grains—wheat, oats, barley. See page 65 for details.

SEMESAN BEL—For treating seed potatoes. See page 21 for details.

SEMESAN—For treating all garden and flower seeds. See page 16 for details.

FREE: Circulars fully describing any of the above seed treatments, on request.

POULTRY REMEDIES

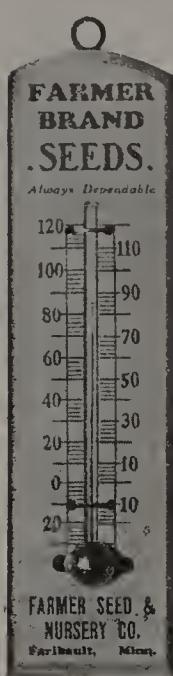
MINK'S LOUSE KILLER OINTMENT—One application keeps hens free from lice for six months. Pays its cost ten-fold in increased egg production. Wonderful remedy for head lice, on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box sufficient for treating 75 to 100 hens. Perfectly harmless. Price: 80c, prepaid.

ACME POULTRY DELOUSER—Paint the perches—it will pay big dividends. Apply in spring, before brooding time, also in the fall. Very effective—easy to use. Price: 2-oz. tube 35c; 5-oz. tube 50c; pint can, treats 300-400 ft. of perch (most economical), \$2.00, ppd.

PHENO-NOX TABLETS—Valuable to use in drinking water or milk. Can be used in any kind of drinking vessel. For baby chicks, poult, and mature stock. For treatment and control of common bowel disorders. Keep in drinking vessels of all chicks and poult. Insures health and may prevent outbreak of serious troubles. Price: 50 tablets, 45c, 150 tablets, \$1.00, 300 tablets \$1.75, 500 tablets \$2.75, ppd.

CAM-PHOR-MIST—A spray that really stops bronchitis, brooder pneumonia, common colds, roup, or respiratory troubles. Use as preventative. Spray regularly. Don't take chances. Inexpensive and easy to use. If birds are subject to colds or roup use Cam-Phor-Mist. Price: 8-oz. bottle 60c, 16-oz. bottle \$1.00, ppd.

Up-to-date Helps for the Modern Farmer



Home Thermometer

Let this tested thermometer help keep your home comfortable, or keep a check with it on the temperature of the barn, or out of doors. There is nothing more useful than a good thermometer and thousands of "Farmer Brand" thermometers are now in use. Price: 25c, prepaid.

Calico Mouse Seed

Most satisfactory mouse exterminator ever sold. A natural treated seed which attracts the mice. They chew out the inside kernels and thirst then drives them out to die. No baits, no traps, no muss. "A saucer and seed is all you need." 2-oz. package, 15c, prepaid. 8-oz. package (most economical size), 40c, prepaid.

"Black Cat"

Non-Poisonous Exterminator

"BLACK CAT" RAT and MOUSE KILLER is harmless to man, domestic animals, baby chicks, poultry, dogs and cats, but kills rats, mice and gophers quickly. May be safely used around the home, barn, poultry house, warehouse or any rat or mouse infested building. "Black Cat" can be mixed with butter, ground meat, corn meal or other food. Rats and mice will eat it readily, and it drives them outdoors to die.

GUARANTEED to kill rats, mice and gophers and nothing else, when used according to directions. Price: 45c per package, 3 pkgs. \$1.00, prepaid.



BLACK CAT TRADE MARK

Get Rid of Rats!

With Pastoxine, The New No-Poison Way. Pastoxine, an amazing, new non-poisonous exterminator of rats and mice. Product of the famous Pasteur Vaccine Laboratories, Paris, France. Most sanitary method—drives rodents out to die—harmless to man, domestic animals and poultry. Approved by Dept. of Agriculture. 1 oz. jar (goes a long way) 65c prepaid.



Easy-Tight Corn Shock Binder

ONLY 95c POSTPAID

With the Easy-Tight you have the easiest and fastest way to draw tight the top of corn shocks and make binding simple.

The top is held tight by a simple lock on tightener which releases its hold with a slight jerk of the rope. No need of pulling the rope back out of the pulley. A wide flange on upper part of pulley prevents the rope from working out.

The Easy-Tight Corn Shock Binder comes equipped with a thick rope—easy on the operator's hands. It has weight enough to be thrown around the shock and does not have to be carried. One man can operate it easily. Price: With rope, 95c, postpaid to third zone.

May 23, 1939.

Received the gopher trap you sent me this morning. Got four gophers already without a miss.

Mrs. Julia Bakke, Fertile, Minn.

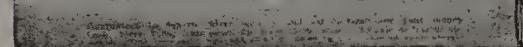
Cyclone Hand Seeder only \$2.50
POSTPAID



Grass Seed mixtures cannot be seeded to advantage with the grass seeder attachment to the grain drill because of clogging and uneven work. The Cyclone Seeder is simple, light but strong. It will sow timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even. Any desired quantity, from one quart to three bushels can be sown, per acre. Cauvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.30, not prepaid.

Humane Dehorning Pencil

"Humane" Dehorning Pencil



The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our "Humane" Dehorning Pencil. One application does the work, so simple any boy can do it—does not injure the calf, is entirely painless. We absolutely guarantee satisfaction, or refund your money. Each pencil will dehorn from 10 to 15 calves, at a cost of about 4 cents per calf. We have sold "Humane" Dehorning Pencils for many years to thousands of satisfied customers. Include one with your order. Price: 50c per pencil, 3 for \$1.20, prepaid.

CYANOGEN



KILLS RATS, MICE, GOPHERS, MOLES, WOODCHUCKS

Cyanogen A-Dust, when exposed to the air gives off a dust that is deadly to rodents and insect pests. It kills them almost immediately. The residue, after the gas has been given off, is ordinary slaked lime and is non-poisonous. The pests don't have to eat Cyanogen or even touch it—it gets them wherever they are.

Cyanogen A-Dust can be applied with the dusters we list on this page or with a spoon or by sifting. Full directions with each package. Write for free circulars telling how to rid yourself of these pests.

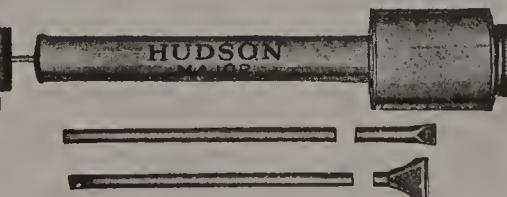
Prices: Cyanogen A-Dust—1/2-lb. can 45c, 1 lb. 75c, 5 lbs. \$3.00, 25 lbs. \$10.00, 100-lb. drum \$25.00, f. o. b. Faribault.

MAJOR DUSTERS For Cyanogen or Insecticides

The Major Duster is especially suited for Cyanogen. It may also be used with other insecticides and fungicides in dust form.

The Duster is fitted with an air valve to keep powder from entering the pump.

Price: No. 665 Major Duster with two 12-in. extensions, two nozzles and 12-in. flexible hose complete, \$1.29, postpaid.



"Sure-Catch"
Pocket Gopher Trap 75c



Part of 104 Pocket Gophers caught in one night

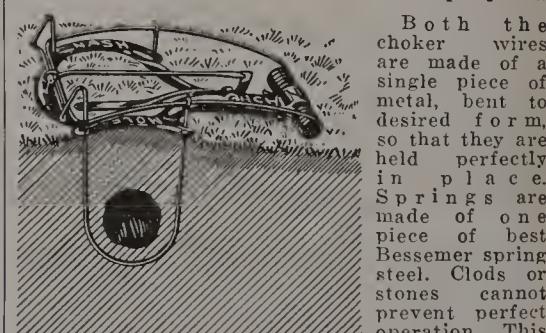
Sold on Money Back Guarantee

Few farmers realize the losses caused by pocket gophers. Most counties pay bounties to check these farm robbers, but only recently has a trap been brought out that will really get a pocket gopher nine times out of ten. This trap is so simple and effective that the manufacturers back it with an unlimited guarantee to do the work, or you return the trap and get your money back.

The "Sure-Catch" Trap is a little over 9 inches long. Is easy to set—perfectly harmless to handle and fits into the gopher hole, half length. The trap is not covered and the gopher from within trips the trigger as he attempts to cover up the hole. Boys and girls make good money trapping pocket gophers. Price, with full instructions—75c each, 6 for \$3.75, prepaid.

Nash Mole Trap

Recommended by U. S. Biological Survey, Wash., D. C. The Only Trap That Always Catches the Mole in All Kinds of Ground When Properly Set.



Both the choker wires are made of a single piece of metal, bent to desired form, so that they are held perfectly in place. Springs are made of one piece of best Bessemer spring steel. Clods or stones cannot prevent perfect operation. This trap catches the mole when it comes from either direction, the pan being located between the two choker loops which are sufficiently far apart so the mole in passing will spring the trap and be caught by the loops around the forward spades or flippers. If properly set, you cannot fail with this trap. Fully guaranteed to give satisfaction or money back. Full directions for setting, also directions for preparing the skins for market, supplied with each trap ordered. Weight, 2 lbs. 2 ozs. Price: \$1.50, prepaid.

"Kill-Em-Quick" Gopher Poison

A concentrated powder easily mixed with moistened grain. Millions of packages have been sold and have given the best of satisfaction. The aroma attracts—the taste makes gophers want to eat Kill-Em-Quick greedily, and it kills 'em quick. Get rid of gophers—they are costing you fifty times the small price of Kill-Em-Quick. Try a package—it's guaranteed to give satisfaction, or the price will be refunded. Price: medium size 50c, large size (most economical) \$1.00, prepaid.

High Grade Garden Implements to Make the Job Easier!

THE NEW AMERICAN GARDENER No. G-2

A complete garden outfit for all purposes. 1—A plow for trenching; 2—A scuffle hoe or sweep for weeding; 3—A cultivator for breaking up the soil; 4—A mulcher, pulverizer or rotary hoe for pulverizing, killing weeds, stimulating plant growth and leaving a dust mulch to save moisture. It is simple, compact, easy to use and speedy. This single tool will do everything that any other tool or combination of tools will do.

The mulcher attachment is interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position. Fully guaranteed.

(For a seeding attachment, we recommend Midget No. 2—described below.)

Price: Complete, \$4.90, not prepaid.



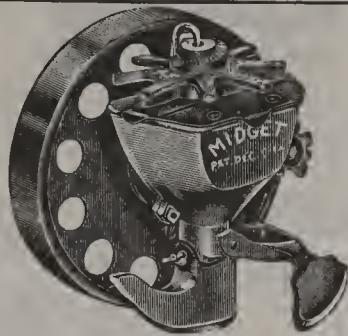
4 TOOLS IN 1
\$4.90
Complete

Weight, 23 lbs.

MIDGET SEEDER No. 1—\$2.95

For sowing any kind of seed, from the smallest up to peas and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator, or any other Single Wheel cultivator, having 5 1/2 inches or more space between shank and wheel. Shoe is adjustable for any depth and covers easily. The most popular seeder on the market. If wanted for use alone, we offer it with handle.

Price: Set up, ready to be attached, \$2.95. With handle, \$3.45, not ppd. Weight, 8 lbs.



MIDGET SEEDER No. 2—\$3.75

This perfect seeding device will hold one quart of seed. It drills accurately all kinds of seeds from radishes to peas or beans, covering at uniform depth and giving an even stand. Use this tool in combination with the new American Gardener or Standard No. 20A and you have a complete outfit. An ideal combination with No. G-2. Not to be used alone. Price: \$3.75, not prepaid. Shipping weight, 10 lbs.

For the Newest Time and Labor Saver—

See the New "PUSH-PULL" HOE—Page 27.

STANDARD No. 20-A SINGLE WHEEL CULTIVATOR

With this tool you can get your money's worth in a few hours' work, whether you have five acres, one acre or a garden only 25 feet square. Has a strong steel wheel 24 inches in diameter, making it work easily and carrying the tool in perfect balance. The handles are quickly adjusted to suit the height of the operator or to regulate the depth desired to run attachments. The equipment includes double end shovel mold-board with landside with 5-prong cultivator (practically 5 tools).

Price, complete, \$3.30, not prepaid. Weight, 20 lbs.



Price
\$3.30

STANDARD WEED KILLER PULVERIZER AND MULCHER

Attaches to any high wheel cultivator. Runs light. Has six star wheels mounted on revolving shaft. Between wheels are projecting teeth which pulverize the lumps. Mounted in front is a 10-inch scuffle blade, both edges sharpened. Weight, 6 lbs.

\$1.60
Postage, 20c.



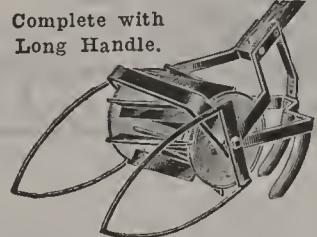
"TRUE TEMPER" ROTARY MULCHER-CULTIVATOR

A complete outfit—Mulcher, Weed Killer, Pulverizer, Cultivator.

The knives on the 8 1/4-inch reel are 2 1/2 inches wide, so formed as to keep the reel from running deeper than it should. Scuffle hoe of high carbon steel, both edges sharpened. The cultivator unit has three carbon steel shovels 7 inches long. They are adjustable for width of row.

No. T8 1/2, 8 1/2-inch cut; weight, 17 lbs., \$4.25 f. o. b. Faribault.

No. T10 1/4, 10 1/4-inch cut; weight, 18 lbs., \$4.65 f. o. b. Faribault.



No. T-10 1/4 \$4.65
F. O. B. Faribault.

Reliable INSECTICIDES AND REPELLENTS

New
Bug
Gun
Shoots
to Kill
INSECTS
THE EASY WAY
PRICE 44c
PPD.

THE EASY WAY
PRICE 44c
PPD.

A new derris, rotenone dust, which is non-poisonous, safe to use. Kills insects in the garden and house, both chewing and sucking types, including aphids, worms, beetles, mites, red spider, fleas, roaches. Use Bug Gun on flowers, vegetables, fruits. Price: 44c, prepaid.

Comes packed with insecticide.

APHIS SPRAY—An improved nicotine spray suitable for the control of all kinds of aphids (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with water. Price: 3-oz. collapsible tube (makes 6 gallons of spray), 40c, prepaid.

GARDEN GUARD—A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato plants, melon vines and other vegetables, currants and gooseberries, flowers and shrubs of many kinds. Price: 1-lb. sifter carton 30c, prepaid.

ROTELONE GARDEN GUARD—New formula. Non-poisonous, yet very effective. Controls most leaf-eating insects. Perfectly safe to use. Price: 1-lb. sifter top can 40c, prepaid.

ARSENATE OF LEAD—It is safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: 1/2 lb. 25c, 1 lb. 35c, prepaid; 4 lbs. 75c, not ppd.

BORDEAUX MIXTURE—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 35c, prepaid; 4 lbs. 70c, not prepaid.

"BLACK LEAF 40"—(Sulphate of Nicotine.) Is especially recommended for killing the green aphids or lice which usually appear on sweet pea, cucumber and other vines. It can be used for spraying all kinds of plants. Price: 1-oz. bottle (makes 6 gallons of spray) 40c, 5-oz. tins \$1.10, 2-lb. tins \$3.25, prepaid.

CYANOGAS, ANT KILLER—Special 4-oz. tin container. Simply shoot it in the nest and no more ant trouble. Price: 35c, prepaid.

WETTABLE DUSTING SULPHUR—Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. A tonic for roses, and sticks on leaves in spite of rain. Price: 2-lb. can, each 35c, prepaid.

SLUG SHOT—The standard remedy for worms, rose slugs, caterpillars, cabbage worms, etc.—effective, and entirely harmless to plants. Price: 1-lb. carton, with perforated top, ready for use, each 30c, prepaid.—Not prepaid, 1-lb. carton 25c, 5 lbs. \$1.00, 10 lbs. \$1.75.

TOBACCO DUST—Destroys rose slugs, lice, vine bugs, tomato worms, currant worms, cabbage lice, and most parasites. Apply when foliage is wet. Price: 1 lb. 30c, prepaid.—Not prepaid, 1 lb. 25c, 5 lbs., \$1.10, 10 lbs. \$2.00.

"NOK-EM-KOLD" GARDEN INSECTICIDE—It controls cabbage and cauliflower worms, cucumber beetles and all insects infesting vine crops, berries and shrubs. Dust on while damp with dew. Price: 1 lb. 25c, prepaid.—Not prepaid; 5 lbs. 85c, 10 lbs. \$1.25.

Save Your Trees!

SULPHONOL RABBIT REPELLENT—Protects trees from rabbits and mice. Inexpensive to use. Keeps tree borers away and prevents sun scald. Mix with water and paint the trees two feet above snow line. "Sulphonol" is non-poisonous, and will remain effective throughout the winter. Cannot be applied with sprayer. One pound treats 20 trees. Price: 1 lb. 45c, prepaid.—Not prepaid, 35c per lb.

COPPER RODENT REPELLENT—Protects fruit trees and shrubbery from rabbits and mice. Costs less than 1c per tree. Rapidly applied by painting or with sprayer. Rabbits will not girdle a tree which is coated with this material.

Copper Rodent Repellent is non-poisonous—offers all winter protection. Price: qt. 85c, postage 15c extra, 1 gal. \$2.75 f. o. b. Faribault.

DAYTON TREE SAVER—Contains 18 ingredients beneficial to trees, medical oils to heal wounds and non-injurious acids to destroy fungi, insects and worms. It does not shrink but is light in weight, elastic and waterproof. Price: pint, 50c, quart 90c, not prepaid.

DOG-ZA-WAY—Spray it on your evergreens, shrubs, plants or trees with hand sprayer and dogs will stay away. Harmless—non-poisonous. Household size, 39c, prepaid.

EVERGREEN—Non-Poisonous Insecticide. Effective against most other plant pests, including cucumber and melon beetles, cabbage worms, rose slugs, leaf hoppers, currant worms, etc. Safe—kills only insects—harmless to man, livestock, birds and pets. Non-injurious—Spray freely on the tenderest plants. Won't injure the ground. Price: 1-oz. bottle (makes 6 gallons of spray) 35c, 6-oz. bottle \$1.00, prepaid.

Newest Lawn & Garden Tools — Fertilizers — Weed Killers »»

WATER LANCE \$1.85 ppd.

Waters, Fertilizes ROOTS of Trees,
Shrubs and Plants.

A handy device, simple to use, that puts the water right down to the roots. Saves time—saves water. In two minutes it supplies more water to the roots than two hours of surface soaking. A tremendous water saver. Attaches to any garden hose.

Your trees and shrubs need only one good watering a week when watered from the bottom with the WATER LANCE! Watering them from the top forces the roots to grow upward—washes the soil from the base of the shrub and causes the ground to become packed and hard. Price: \$1.65. Postage, 20c. Circular free.

Fertilizer Attachment—You can fertilize roots of trees or plants without waste or danger of injury. Concentrated plant food tablets, in this attachment, dissolve slowly and are carried to the roots by Water Lance. Fertilizer Attachment only, \$1.10, postpaid. Special Fertilizer Tablets—Box of 15, only 30c, prepaid.

Complete Outfit: Water Lance, Fertilizer Attachment, and 15 Fertilizer Tablets, only \$3.00, postpaid.



Amazing New Discovery

MEO-181 kills dandelions—plantain, crab grass—without injury to lawn grasses! Simple to use—just spray it on with any hand sprayer (sprayer on page 77.) Over-all spraying or “spotting” individual plants, equally effective—at any time in spring or summer. One gallon covers 200 sq. ft. One treatment kills root of weed in 12 hours. Dependable—a product of Armour & Co. Circular free.

1 gallon \$1.55 (postage 27c to 3rd zone), 5 gallons at \$1.45 per gallon, f. o. b. Faribault (by express or freight).

ONE SPRAYING
KILLS WEEDS
DOES NOT
KILL GRASS

\$1.55
GALLON



SACCO PLANT FOOD

Makes things Grow!

For Gardens, Lawns,
Shrubs, Plants,
Trees.



Makes Things Grow
(Analysis: 4-12-4)

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor.

Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30x40 ft. (Use 2 to 4 lbs. per 100 sq. ft.).

Price: 5-lb. pkg. 45c, 10-lb. pkg. 85c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00, f. o. b. Faribault. Detailed instructions in each package.

Wedo

Feeds
Grass—
Fights
Weeds!

SPECIAL LAWN FERTILIZER

A balanced fertilizer which rids your lawn of weeds. Grass grows luxuriantly—weeds disappear! Formulated by leading soil authorities. Contains the recommended amounts of nitrogen, phosphates and potash most suitable to lawn grasses and the valuable weed eliminating features of sulphate of ammonia and other weed control elements.

HOW MUCH WEDO TO BUY

Only 1 1/2 pounds are required for 100 square feet (10x10-ft. area).

10 lbs. 90c, 25 lbs. \$1.85, 50 lbs. \$3.25, 100 lbs. \$5.75, f. o. b. Faribault.



(Analysis: 8-5-3)

Ideal SPREADER for Home Lawns - only \$4.25

A quality built Fertilizer Spreader designed by makers of Sacco and Wedo. Handles any powdered or granulated fertilizer as well as grass seed. Can be set to feed light, heavy or medium. Instant feed control from handle. Inexpensive but very efficient.

F. o. b. Faribault \$4.25
Weight 13 lbs. (Postage to 3rd zone, 35c).

For Applying Fertilizers
and Sowing Grass Seed

Does the job RIGHT.
Spreads evenly and quickly. Saves time and materials. Will feed or reseed your lawn in less time than is required for mowing.



PEAT MOSS

For Lawns and Gardens

If you have trouble with your lawn, if your soil is light and sandy, or bakes hard because of clay, Peat Moss will show wonderful results.

2 oz. of Peat Moss can absorb 1 lb. of water. Use it around roses, shrubs, perennials, your window boxes, ferns and potted plants. One bale of Peat Moss will top-dress 800 to 1,000 square feet of soil. Inexpensive to use. (Circular free.) It contains life-giving humus and nitrogen essential to plant growth—and is free from silt and weed seeds.

Top-dress your lawn early in May. On heavy clay soil, work in to a depth of 6 inches.

Price: Peck package 60c, prepaid; 1/2-bu. package 85c (prepaid to 3rd zone). Not prepaid, 1 bag, about 3 bu., \$1.50, 2 bags for \$2.75. PEAT POULTRY LITTER at same prices.

SOIL-SOAKER

roots. Made of treated mildew-resistant canvas. One end screws to water hose, other end closed. Water seeps through every pore—soaks directly into the soil over an area of several feet on all sides. No excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens, hedges, shrubs, trees, etc. Saves on water bills. Get yours now!

You Will Need This More Than
Ever in 1940.
No. 0—12 feet long, \$1.25
No. 1—18 feet long, \$1.75
No. 2—30 feet long, \$2.75

LEVER SPRAY HOSE NOZZLE

\$1.00
prepaid

Makes sprinkling a sport—hand pressure regulates the flow—automatic shut-off when released—no leakage—no wet hands—if the telephone rings or somebody calls, just drop the hose. The Carter Lever Spray Nozzle is constructed of non-rustable metal—handsomely nickel plated. Brouze spring and knurl nut, axle and all other parts of best quality brass. It's delightfully easy to use and makes watering the garden, lawn or shrubs a pleasure. Price: \$1.00, prepaid.



KWIK-WORK DANDELION KNIFE Only 35c

Just a jab and you sever the tap-root which puts an end to the dandelion. Later rake up the roots, no holes in the lawn! Made of tempered steel with 10-inch blade. Well suited for cutting asparagus.



35c postpaid

PRUNING SHEARS

65c
Postpaid



No. 817

Every home has a thousand and one uses for pruning shears—shrubs, berry bushes, hedges, trees, plants—all need pruning. Here is a good pruning shears—tempered blade, guaranteed. Volute spring. Price: 65c, prepaid.



No. 201

ONLY \$1.35
ppd.

NEW THINGS FOR THE MODERN GARDENER

COLORFUL GARDEN BIRDS

Beautiful, natural appearing Garden Birds. Finished in weather-resisting enamel in life-like colors. Swivel-mounted on 22-inch green enamel steel stake. Attractive in outdoor gardens—in ferneries and flower pots, in solarium or flower nook. Made of heavy steel—life-size—5 varieties shown opposite, and bluebird.

3 (any variety) prepaid for 45c
Order a full set.

6 subjects prepaid for 85c



LENOX MISTY SPRAYER

The Best for House Plants

Just the thing for house plants or small shrubs. Throws fine misty spray under or over plants, thoroughly drenching foliage, removing dust and insects. Takes any liquid insecticide. Every part of plant can be covered.

(We recommend "Black Leaf 40" or "Evergreen" Spray. See page 75c ppd. for 75c)



No. 132—SUPERBILT DUSTER

A new type dust gun, giving uniform discharge with every stroke, until every particle of dust in the chamber is used. Very powerful—very effective, with new two-way dust cap giving coverage over and under the leaves. Made from rust-proof steel—will handle all insecticides—may also be used for Cyanogas. Pump 3 in. diameter, 7½ in. stroke. Easy to operate. Weight 9¾ lbs.



No. 165—Easy Grip GRASSWHIP

Double edged, cuts grass and weeds the easy way. It's flexible and whip-like in action. Steel extends full length and width of maple handle, which is securely held with three large brass rivets. Use your golf swing to keep your grass trimmed and weeds cut. Weight, 2 lbs.

Price \$1.15
Prepaid

We recommend the One-Punch Dandelion Remover as a companion implement to our Grasswhip. It's fun to operate, and every one will be glad to take a hand at keeping the yard and lawn neat and trim.

Get in the Strokes that Count with Easy Grip Grasswhip.

MAGIC HAND WEEEDER
This spring-tooth weeder turns work into pleasant pastime. Millions are now in use. The spring tines are made of best quality steel. This weeder is sturdily constructed, and nicely finished. It's the handiest weeding tool on the market, and it is prized by both amateur and professional gardeners.

See pages 75-76 for Garden Tools.

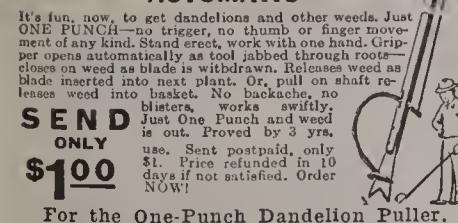
Price 39c Each
ppd.

OUTCOME DANDELIONS and PLANTAIN with ONE QUICK PUNCH!

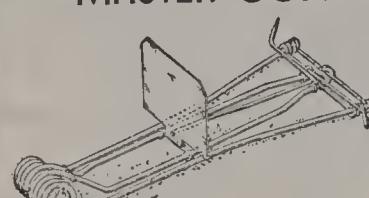
AUTOMATIC

It's fun, now, to get dandelions and other weeds. Just ONE PUNCH—no trigger, no thumb or finger movement of any kind. Stand erect, work with one hand. Gripper opens automatically as tool jabbed through roots—closes on weed as blade is withdrawn. Releases weed as blade inserted into next plant. Or, pull on shaft releases weed into basket. No backache, no blisters, works swiftly. Just One Punch and weed is out. Proved by 3 yrs. use. Sent postpaid, only \$1. Price refunded in 10 days if not satisfied. Order NOW!

For the One-Punch Dandelion Puller.



MASTER GOPHER TRAP



Get several traps and do a real job.

Destroy those troublesome Pocket Gophers that raise such havoc with your lawn.

3 for \$1.00 ppd.

35c Each
ppd.
12 for \$3.50 ppd.



Colonial Garden SUN DIAL

Enhance the beauty of your home lawn or garden with this charming Sun Dial. Artistic design—bronze finish—10-inch diameter—marked at quarter-hour intervals. A useful lawn ornament you can be proud of, at a price you can afford!

only \$1.25 postpaid

GARDEN GLOVES, pair ppd. 75c

All-Leather—Dirt-Proof—Soft as Kid
Extra Pliable

Economical—outwear six pairs of fabric gloves and are useful the year 'round for Garden, House-work, Painting, Yard, Furnace, Garage, etc.

Washable!

Sizes for women: "Small," "medium," "large"—for men: "Medium," and "large." Be sure to specify for men or for women.
Price: 1 pair 75c, 2 pair \$1.40, postpaid.

Continuous SPRAYER

Adjustable Dual Nozzle—Sprays Ahead or Up

This sturdy garden sprayer delivers a continuous spray of any desired density, from the finest mist to a solid stream. Double nozzle sprays ahead or up—for under-leaf spraying. Ideal for applying insecticides (page 75), disinfectants and fly sprays. No spitting or streaming.

No. 432 with 1 qt. tin tank—postpaid for only . . .

No. 435 with 3 qt. galvanized steel tank (shown above), \$1.10 postpaid.

85c ppd.

Booster 3 1/4 Gallon COMPRESSED AIR SPRAYER

The best moderately priced sprayer on the market—adapted for all classes of work. The galvanized steel tank has riveted and soldered seams. Top and bottom double beaded for strength—and is tested at 90 lbs. pressure.

A convenient size high pressure compressed air sprayer for insecticides, fungicides, whitewash, etc. Built-in Nu-Eez funnel top—3 1/4 gal. capacity—19 inches high—7 1/8 inches diameter—air-pak pump—all brass nozzle with 2-foot extension rod—brass automatic shut-off valve. Weight 8 1/2 lbs. Ideal for applying MEO-181, page 76.

Price \$2.98 Postage to 3rd zone, only 27c
Not ppd.



ONE PIECE STEEL GARDEN TROWEL

Each tool is formed from a single piece of steel—no handles to work loose or come off. The ends of the handles are completely closed, rounded and smooth—will not blister the hand, and will stand hard usage. Finished in green enamel, baked on. Not Prepaid 15c

Price 19c Each
Ppd.



FLY WAY CLEAN, WATER STOCK SPRAY
STOP OIL SPRAY TROUBLES
KILLS & REPELS

Flies, Mosquitoes, Fleas, Lice, Ticks, Gnats
1 quart mixed with water makes 4 gallons superior stock spray that prevents burned or irritated skin, gummy dirty hair, lowered milk production, or other possible oil spray troubles. Clean, stainless, economical. Safe to use. Will not taint milk.

2 oz. can makes 1 qt. stock spray.....	35
8 oz. can makes 1 gal. stock spray.....	95

Important

Keep a copy of your order and check it when it arrives.

Write your name and address plainly.

Sending money. Postoffice money orders, bank drafts or express money orders are always safe. We prefer not to receive stamps. Never send cash in a letter unless registered. Doing so will be at your own risk.

Please do not send checks under \$1.00—send cash instead—carefully wrapped. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

Our Guarantee

We sell dependable, carefully tested seeds. Should failure result from the fault of the seeds we will refund your money.

Seeds, trees, bulbs and plants are subject to climatic conditions over which we have no control. Therefore, we will not be responsible for the crop, or for more than the price paid. In case of error prompt adjustments will be made.

Parcel Post Rates

Packages weighing 70 pounds can be sent to all zones. Ten pounds or more beyond the 5th zone usually go cheaper by express.

Zone	Distance up to	Pound	For First	Each Pound	Additional
1st & 2nd	150 miles	8c	1c		
3rd	150-300 miles	9c	2c		
4th	300-600 miles	10c	4c		
5th	600-1,000 miles	11c	6c		
6th	1,000-1,400 miles	12c	7c		
7th	1,400-1,800 miles	14c	9c		
8th	over 1,800 miles	15c	11c		

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

FREIGHT AND EXPRESS SHIPMENTS. State whether you want freight or express shipment made. If yours is a prepaid station, full transportation charges must be sent with the order.

Help us to correct our mailing list.

If you received more than one catalog—or if several members of your family received one or more catalogs—will you please tell us what names or initials they were addressed to, and give correct name or initials of the head of your family? A post card will do. For your trouble, we will be glad to send flower seed novelties—and many thanks. New names will also be appreciated.

Perishable Items

POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK are shipped when weather conditions permit, and customers are then notified of shipments. Should a shipment reach you in bad condition, notify us at once. Have agent make notations on your receipt. If yours is a prepaid station, full transportation charges must be sent with the order.

C. O. D. Service

For your convenience we offer to ship garden seeds, flower seeds, or light weight shipments C. O. D. Simply pay the postman or express company the amount due, on delivery, plus a small charge for returning the remittance. For farm seeds or perishable articles such as potatoes, bulbs, nursery stock, or heavy bulk shipments, send at least 25% of the amount due with the order.

BEFORE MAILING—LOOK AGAIN—Does the amount of your remittance correspond with the amount of your order? Have you signed the order and is your name and address on the envelope? Then be sure to seal the envelope.

Free flower seed novelties in exchange.**A**

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Plant Something Different!

New MINIATURE Palm →

A genuine palm—similar to Kentia Palm, but only 12 inches high! This novel, miniature type, has proved a sensation. A graceful house plant your friends and neighbors will admire. Easy to grow.

PPD.
FOR → 85c



↓ "Crown of Thorns"

Native of Palestine and reported to be the original Crown of Thorns described in the Bible. A sturdy house plant that branches freely, is very thorny, and bears small brilliant red flowers during mid-winter.

60c EACH
PPD.

Cactus →
COLLECTION
PLANTS
6— 69c



New

EARLIMUM BLOOMS in AUGUST!

A new type extra early blooming Chrysanthemum of rare beauty. For outdoor or indoor culture. Blooms profusely the latter part of August and continues until heavy frost. Flowers 2 to 3 inches across! An ideal cut flower variety with longer stems than Blaze O'Mums. Offered in following colors:
Red and Pink—single flowered. Yellow and White—double flowered. 60c each, postpaid.

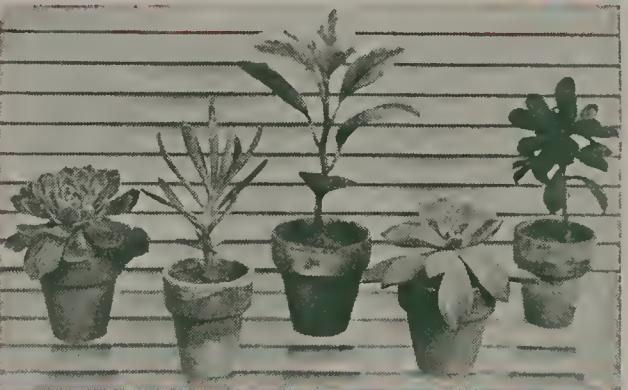
3 PLANTS \$1.39
Postpaid



"Window Garden"

COLLECTION 5 Novelty Plants for Window Shelf, sim- ilar to those below ↓

75c



CREAM of the All America WINNERS!

New "Mingold" the Vitamin "D" Tomato

An early, Golden Yellow Tomato from the Minnesota Experiment Station. The fast growing demand for yellow fruits and yellow tomato juice, takes Mingold out of the novelty class. Its earliness, shapely fruits, attrac-

15c
PKT. PPD.

tive color, and extra vitamin D, make it outstanding. Ripens with Bonnie Best. Makes striking salads when sliced with red ones. Pkt. 15c, 1/2 oz. 50c, oz. 90c, prepaid.

Try
SOIL-LESS
Gardening!
See
CHEMIGROW
Page 80



25c
PKT. PPD.

Petunia "Glow"

This new variety produces bright rich rose-red flowers on dwarf compact plants. Blooms profusely all summer long.

VITAMIN
B-1
for your
GARDEN!
Page 80



Scabiosa "Heavenly Blue"

25c
PKT. PPD.

Another 1940 All America Medal Winner. The lovely azure blue flowers are high crowned and very double. Blooms early and profusely. A garden sensation.



Superior Wheat Germ

Ready to Eat

Rich in Vitamins A, B, E, G and Organic Minerals—High in Protein and Wheat Germ Oil—Low in Starch

A general tonic food which tends to create new energy, revitalizes tissues and glands, builds up general health, physical and mental.

Processed to eliminate the toxic effect of raw wheat germ, preserving vitamins and minerals, preventing rancidity.

Try taking one to five tablespoonfuls of Vi-Vita Wheat Germ daily for one month and see what this wonderful food will do for you. Tastes delicious over cereal, fruit, or alone with milk or cream—sweetened with honey or maple syrup. A definite, perhaps sensational improvement in health, vitality and energy many times results.

Price: One lb. 50c, three lbs. \$1.30, prepaid.

Soy Breakfast or Meat Cracks

Alkaline Cereal and Meat Substitute made entirely from soy beans. Soy Cracks are gently steamed, ready to eat as a cereal. They are very rich in complete protein and very low in starch. Fine for serving with Wheat Germ, using one tablespoonful of Soy Cracks with two or three tablespoonfuls Superior Wheat Germ, with milk or cream, fruit or cereal. Useful in diabetic diets.

Soy Cracks may also be combined with other ingredients ordinarily used in making meat loaf or patties, omitting the meat. Also fine to be used for fowl and meat dressing.

Price: 1 lb. 35c, 3 lbs. for 90c, prepaid.



Minnehaha Herb Tea

Native Herbs—a valuable compound of roots, herbs, leaves, seeds, barks, berries, licorice and flowers taken from Nature's fields.

Recommended as a laxative for constipation, auto-intoxication, biliousness and acid stomach, due to constipation. Nature's own remedy—contains nothing harmful or habit-forming.

Price, triple carton, complete, 45c, prepaid.

PSYLLIUM—FOR YOUR HEALTH

Blond Psyllium is a natural aid in the treatment of constipation, and a safe, harmless, non-habit forming regulator.

This seed owes its special value to its ability to supply both bulk and lubrication needed for sufficient bowel action. It gives off a gelatinous oil which produces a mild, efficient intestinal lubrication. Leading physicians recommend Psyllium.

Price: 12-oz. pkg. 40c, 3 lbs. for 95c, 5 lbs. sufficient for two months' treatment, \$1.75, prepaid.

Alkaline Candy Bars

Contain no cane sugar—tasty and healthful. "A balanced meal," truly alkaline, containing raisins, honey, dates, figs, Superior Wheat Germ, soy milk, and milk chocolate coating. Excellent for children and all ages. Diabetics may have them if they are permitted to eat honey.

Alkaline Candy Bars satisfy that craving for sweets in a healthful way. 24 bars per box.

Price: \$1.15 per box, 1/2 box 75c, postpaid.

Garlic, Parsley & Honey

Of great medicinal value. Secrets of ages discovered. Used in treatment of acidity, high blood pressure, pneumonia, colds, coughs and kidney trouble. Get circular giving opinion of medical authority. Take one teaspoonful daily.

Price: 4-oz. bottle 60c, 3 bottles \$1.50, prepaid.

BEVASOY—SOY BEAN COFFEE—Contains no caffeine. See page 72.

SOY BEAN MILK POWDER—Most alkaline and digestible of all protein foods—free from starch. See page 72.

MIRACLE WORKERS FOR YOUR GARDEN AND FLOWERS

Nu-Life Plant Grower



PEPS UP SICK PLANTS 10c

The best plants need stimulating. The soil becomes worn out, the plants sickly—leaves discolor and blooms lack brilliancy.

With Nu-Life Plant Food immediate results are noticed. Easy to use—odorless. Puts new life into sick plants—peps up your flower bed and stimulates growth of all vegetation. Contains 15% Nitrogen, 30% Phosphorous, 15% Potash—only a small amount required per pot.

Fertilizing value four to five times that of ordinary plant food—properly balanced—practically water soluble. Liberal Trial Size 10c, 1/2-lb. package 30c, 1-lb. package 45c, postpaid.

Grow Flowers, Vegetables WITHOUT SOIL

"The 20th Century Sensation"



You've Read About It in Magazines!

Now Try It Yourself

With Chemi-Grow you can grow more gorgeous flowers, more nutritious vegetables, in water—without soil, the year 'round, in your own home!

In chemical growing, every mineral that every plant needs is dissolved in water, and plants grow in any handy crock, bottle or mason jar. Roots are small, as they need not spread to reach food, and all growth goes into larger plants—much faster ripening—bigger and more perfect fruits and flowers.

Can also be used on soil-grown plants and potted plants, by merely watering with half-strength solution—a surprising stimulator.

Grow these amazing new "soil-less" flowers and vegetables, winter or summer. It's fascinating and easy. Complete directions. Small pkg. (makes 6 gallons) 35c, large pkg. (makes 15 gallons) 55c, postpaid.

Floralife

HELPS CUT FLOWERS LIVE LONGER!



Prolongs life of cut flowers—retards wilting, and prevents fading. No need of changing water, or to re-cut stems. Easy to use—simple directions on each package. You will get much more pleasure from your flowers at a very small expense. A packet makes one quart of solution.

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1 lb. bulk (makes 50 quarts) for \$2.50, prepaid.

Progressive Chemical Garden Set

Perform Magic With Plants Indoors

In winter or summer—in your home or back yard, grow without soil—Tomatoes, Beans, Berries, Flowers, etc. Experiment in soilless agriculture—it's educational, interesting, and an exciting hobby.

Our Experimental Set No. 3 places a golden opportunity in your hands—it contains all the chemicals needed—all are properly labelled, and full instructions for their use comes with each set. Makes a wonderful gift.

Price Complete Set No. 3 \$1.75 Prepaid

Special: A new booklet just off the press, on Soilless Agriculture. It tells in simple language the new magic to be wrought with chemicals, and explains many of natures newest discovered secrets. Price: Only 25c, prepaid.

Plant Food in Tablet Form

Feed your house plants, roses, flowers, shrubbery, vegetables, the modern way—with Stim-U-Plant. Clean and odorless, absolutely reliable. Prices: 10 tablets, 10c; 30 tabs. 25c; 100 tabs. 75c; 500 tabs. \$2.50; 1000 tabs. \$3.50.



THOMPSON'S VITAMIN B-1 For Your Garden

VITAMIN B-1 PURE CRYSTALLINE POWDER PRODUCES AMAZING REINVIGORATED ROOT GROWTH!

Cattleya blooms twice normal size... 5-inch tea rose buds... Cottage tulips with 30-inch stems... Hyacinths with flower heads over 12 inches long... Snapdragons, 6 1/2 feet tall... Birds of Paradise with 16 huge flowers... Daffodils bigger than a salad plate on a 42-inch stalk thicker than a man's thumb... Roses transplanted while flowering... Annuals, perennials and shrubs transplanted without soil on roots... Root-rot stopped in valuable trees...

100 mgm; 1/10 gram 1.00

Makes 2000 gallons of solution; enough for a season in the average garden.

Performs miracles in your own garden. Be the first to benefit from using Vitamin B. News of this exciting discovery will be found in leading magazines.

Price: Pkg. with full directions, \$1.00, prepaid.

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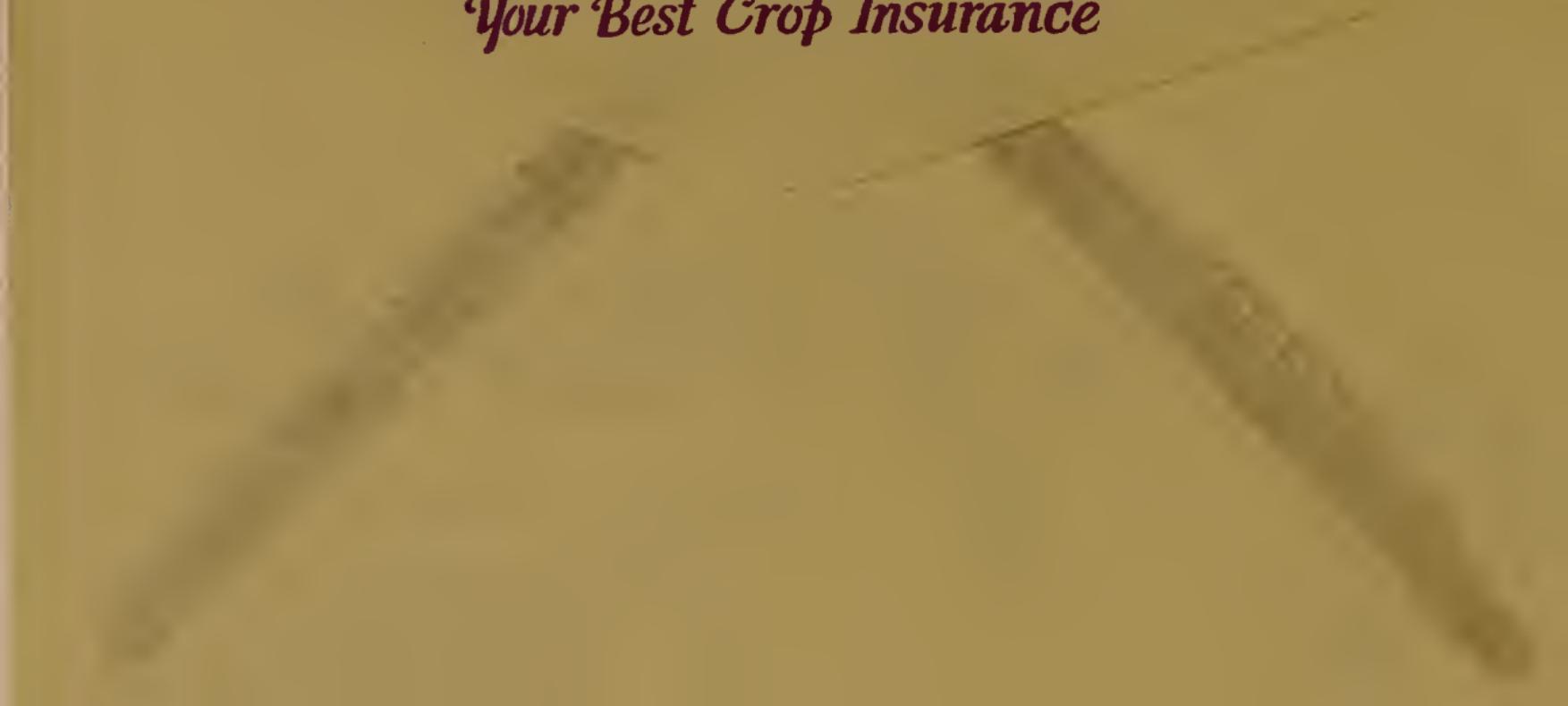
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 is }
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VITAMIN B-1

- New Plant Magic -

Amazing results reported—5 inch rose buds—Daffodils big as salad plates, giant Tulips, Tomatoes—House Plants! Trees, shrubs, perennials transplanted without shock (even with no soil on roots). From all sections of the country come unbelievable reports on this new plant magic—Vitamin B-1. You've read about it in magazines—now try it yourself—FOR ONLY 25c! New convenient tablet form—no measuring—no mixing—no drops to count—Just drop tablet in water and sprinkle garden or water plants! Here's B-1 at lowest prices ever offered! Pkt. of 12 tablets (enough for 30 gallons solution) with full directions—Sent postpaid for

NOW LET'S SEE
WHAT YOU CAN DO!

only **25c**

FARMER SEED & NURSERY CO.
FARIBAULT, MINN.

RADISH

531 Firecracker
Ready to eat in 21 days!
Remains crisp, sound and
mild. Distinctive, sound and
vivid color. (Page 22.)
Pkt. 8c 30c, 15c; 1/4 lb.

RHUBARB

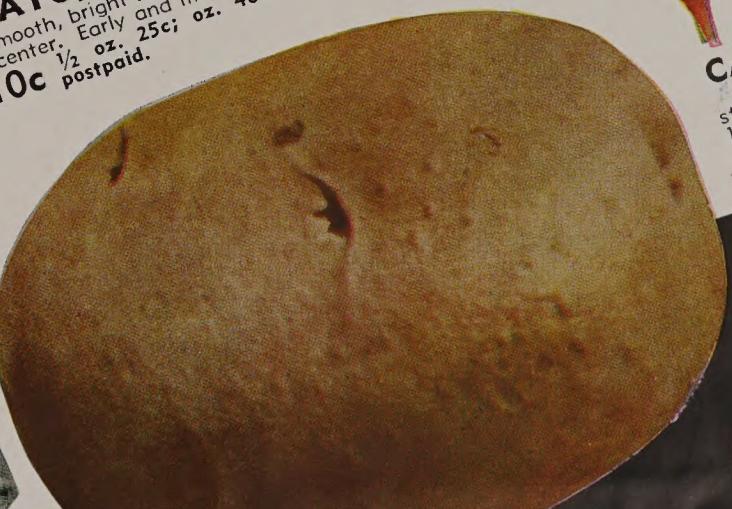
McDonald Red
Large, tender, succulent stalks of
bright Raspberry color. Developed in Can-
ada. (Page 27.)
Choice roots, post-
paid: 3 for \$1

ASPARAGUS

Washington
Rust-Proof
Leading commercial
kind. (Page 27.)
Planting directions free.
Strong roots, one-year-old
prepaid. 50 for 90c

462 PEAS
Glacier Hybrid
Appetizing fresh or
canned. Combines good
size with earliness. Wil-
resistant. (Page 18.)
Pkt. 8c 1/2 lb. 20c;
lb. 35c, ppd.

TOMATO, 610 New Rutgers
Large, smooth, bright red fruits which ripen evenly
from the center. Early and mildly acid. (Page 24.)
Pkt. 10c 1/2 oz. 25c; oz. 40c; 1/4 lb. \$1.10
postpaid.



356 MUSKMELON
Pride of Wisconsin
A handsome Melon with
thick orange flesh of delicious
flavor. (Page 14.)
Pkt. 10c
oz. 20c; 1/4 lb.
10c, postpaid.



369 WATERMELON
Early Kansas
Crisp glistening red
flesh of luscious flavor.
85 days. Weighs 40 lbs.
Pkt. 8c 1b. 12c; 1/4
lb. 25c; 1b. 80c, ppd.

CARROT, 176 Streamliner
Best for bunching. Short,
strong tops and slender roots.
10 inches long with small red
core. (Page 7.)
Pkt. 10c 1/2 oz. 20c; 1/4 lb.
50c, ppd.

POTATO
New Mesaba
Minnesota's Sweepstakes Winner
and the earliness of Cabbler-
pewa. (Page 21.)
postpaid 300 miles, Trial Order.

10 Lbs.
75c

Registered and
State Sealed

Ship to
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Minnesota

MINN.
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403
FLAT GRADE
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World conditions are strengthening commodity prices—and the things you hope to plant will be no exception.

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Fifty-two years of "direct-to-you" selling have saved many thousands of dollars for our 250,000 customers throughout the U. S. A.

1940 promises to be a profitable year for agriculture. Make sure of getting your share of better farm profits by trusting to **MASTER FARMER QUALITY SEEDS**, while these **low prices** are still in effect.

Ask your Experiment Station about our dependability.

Minhybrid 403

Minnesota's newest. Matures big crops of fine corn in 110 days. Withstands wind and rain. Registered Hybrids at lowest prices in history! (Page 68 and Blue Figure List.)

Haralson Apple

Minnesota's prize winter Apple. Finest pie Apple and best keeper of all! Large size, attractive, and top notch quality. No. 1 commercial Apple for the North. (Page 32.)

Reed Canary Grass (Phalaris)

This Peat and Swamp Land Wonder Grass brings profits from your boggy soils, swamps and marshes. Finest of hay crops and a seed crop on top! (Page 61 and Blue Figure List.)

Thatcher Wheat

Minnesota's rust-resistant spring wheat. Beardless, stiff strawed and a good yielder even in heavy rust years. (Page 65 and Blue Figure List.) The special "Lot Resistant" offered on this page is limited, and prices are subject to change.

Fredonia Grapes

The earliest, top quality black Grape, 3 weeks earlier than Concord! Hardy and a good producer. (Page 31.)

Wayzata Strawberries

The greatest market Everbearer gives you beautiful big red berries from June to first hard frost. Retains its super-quality several days after picking. (Page 29.)

HARALSON
APPLE
3- to 4-Ft. Trees
2 for
75¢ ppd.

LOT A-1 Minn. Grown
REED CANARY GRASS
\$19.50
Per 100 Lbs.

"Lat
Resistant"
**THATCHER
WHEAT**
\$1.60
Bu.

FREDONIA
GRAPES
5 Plants
85¢ ppd.

WAYZATA
Everbearing Strawberries
25 PLANTS
Postpaid
95¢

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